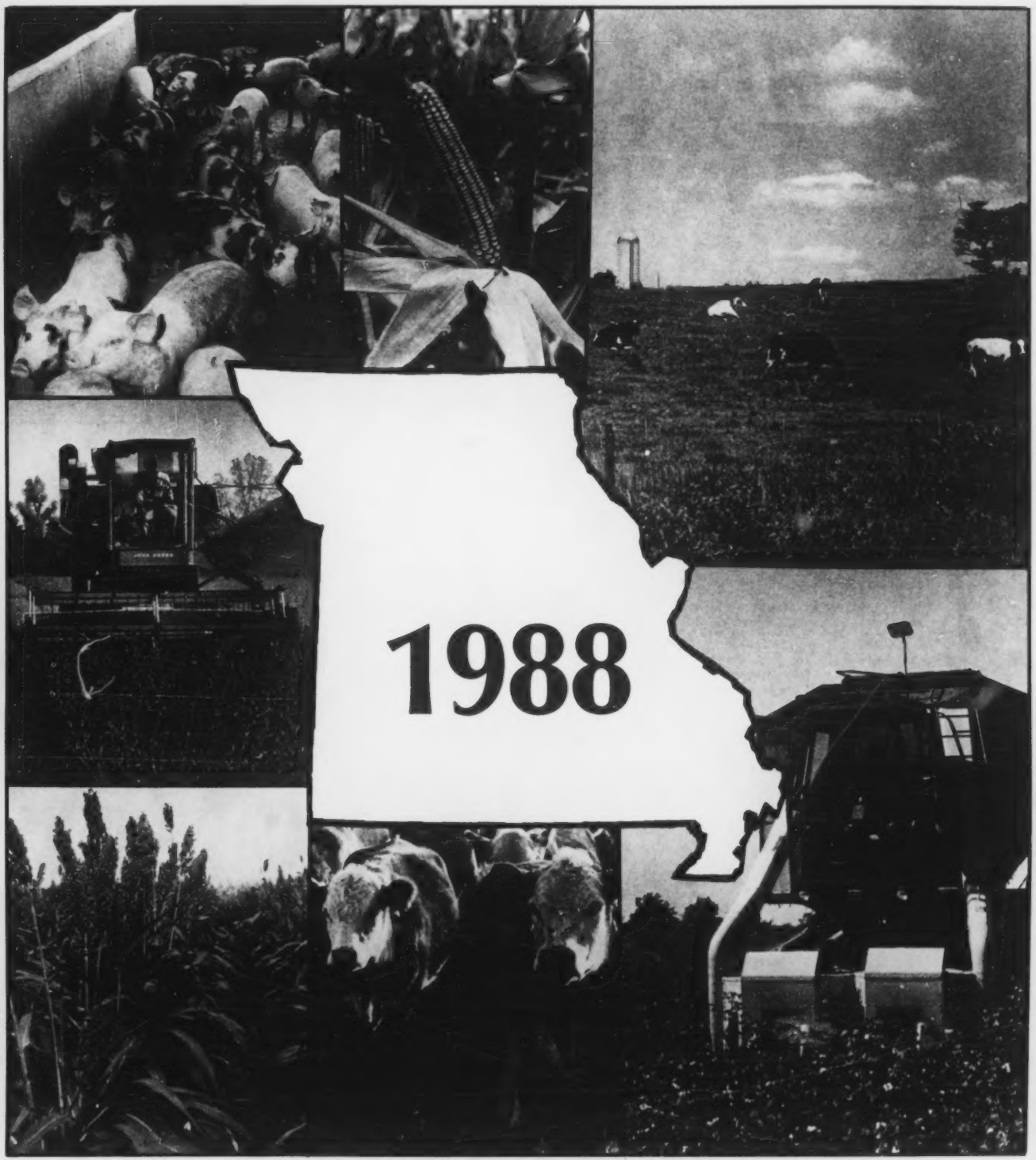
MISSOURI FARM FACTS



Missouri Department of Agriculture

FACTS FOR AGRICULTURE

Agriculture plays a key role in the well being of Missouri's economy. Also, the State's agricultural output has a significant impact on the total U.S. farm economy. The data in this bulletin will show that Missouri's agriculture is both abundant and diverse. Agricultural commodities originating in this state range from the corn and soybeans produced on the farms of the north to the cotton and rice produced on the delta lands of the southeast. The rolling hills of the Ozarks support substantial beef and dairy enterprises.

There were 114,000 farms in Missouri in 1987. These farms produced 3.6 billion dollars of farm marketings of which nearly 900 million dollars went overseas as farm exports. Following are some other facts about Missouri's agriculture in 1987.

- EIGHT percent of the U.S. SOYBEANS are grown in Missouri.
- EIGHT percent of the U.S. GRAIN SORGHUM is grown in Missouri.
- SEVEN percent of the U.S. CATTLE OPERATIONS are in Missouri.
- SIX percent of the U.S. TURKEYS are raised in Missouri.
- FIVE percent of the U.S. HOG OPERATIONS are in Missouri.
- Missouri is the 2nd leading state in BEEF COWS as of Jan. 1, 1988.
- Missouri is the 2nd leading state in HAY PRODUCTION (excluding alfalfa).
- Missouri ranks SIXTH in RICE PRODUCTION.
- Missouri ranks EIGHTH in CORN PRODUCTION.
- Missouri is the TENTH leading state in MILK PRODUCTION.
- Missouri ranked THIRTEENTH in RED MEAT PRODUCTION as over 900 million pounds of red meat went through Missouri's slaughter plants in 1987.

MISSOURI FARM FACTS

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June 1988

EXECUTIVE OFFICE
STATE OF MISSOURI

JOHN ASHCROFT
GOVERNOR

Greetings:

The Missouri agricultural industry is, and will continue to be, a very important part of our state's economy. Farmers, agribusinesses and food processors provide a vital link in producing food and fibre vital to our lives.

The past few years have been difficult for farmers and rural communities, but through hard work and creative approaches, many have succeeded. The AgriMissouri specialty crops program is but one example of how challenges have been changed to opportunities through innovation.

As we prepare to enter a new decade and a new century, the success of these programs is especially significant. There are indications now that the farm economy is growing stronger: land values have increased and commodity prices have stabilized or increased. We must recognize, however, that it is a time of transition and every effort must be expended to continue the upturn of our rural economy.

This 1988 Farm Facts provides information on Missouri's complex and diverse agricultural industry.

Sincerely,

John Ashcroft

JOHN ASHCROFT
GOVERNOR OF MISSOURI

DEPARTMENT OF AGRICULTURE
STATE OF MISSOURI
JEFFERSON CITY

JOHN ASHCROFT
GOVERNOR

CHARLES E. KRUSE
DIRECTOR

As Director of Agriculture it's a pleasure to present the 1988 edition of Missouri Farm Facts.

This is the 70th issue of this annual publication, another milestone in the department's efforts to keep the state informed about agriculture and its important role in Missouri's economic well-being. The bulletin provides current information about Missouri's crops, livestock, real estate and land values, price trends, and more.

In early 1987 Missouri farmers experienced wet conditions. Generally favorable weather conditions during April and May allowed field work and planting to progress at a record pace. Crops developed ahead of normal the entire season. Harvest got off to an extremely early start and most crops were harvested well ahead of normal. Missouri farmers produced record high yields of winter wheat, grain sorghum, cotton and rice in 1987.

Virtually all the estimates in the 1988 Farm Facts are based on voluntary reports from thousands of Missouri's farmers and agribusinesses who have responded to numerous agricultural surveys. I'm grateful for their efforts in making this bulletin possible.

I hope the information in the 1988 Missouri Farm Facts will be of benefit to agricultural and agribusiness communities. We welcome any comments or suggestions concerning this publication.

CHARLES E. KRUSE
DIRECTOR OF AGRICULTURE

Charles E. Kruse

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MISSOURI'S RANK AMONG STATES

1987

	RANK	UNIT	PRODUCTION	PERCENT OF U.S. TOTAL
Crops				
Hay, excluding alfalfa	2	tons	4,960,000	8
Sorghum grain	4	bushels	59,500,000	8
Soybeans	5	bushels	154,560,000	8
Rice, all	6	hundredweight	3,564,000	3
Concord grapes	7	tons	900	1
Corn for grain	8	bushels	242,950,000	3
Hay, all	8	tons	6,178,000	4
Grapes, all	9	tons	2,750	1
Cotton, all	11	bales	330,000	2
Sorghum silage	11	tons	120,000	2
Tobacco, all	13	pounds	3,519,000	1
Winter wheat	14	bushels	35,420,000	2
Peaches	16	pounds	13,000,000	1
Oats	18	bushels	3,420,000	1
Apples (commercial)	20	pounds	53,000,000	1
Corn silage	23	tons	1,120,000	1
Alfalfa hay	25	tons	1,218,000	1
Livestock & Livestock Products				
Cattle operations	2	number	92,000	7
Calf crop	2	head	1,970,000	5
All cows 1/	2	head	2,090,000	5
Beef cows 1/	2	head	1,866,000	6
Beef cow operations	2	number	73,000	7
Hog operations	2	number	18,000	5
Turkeys raised	6	head	15,500,000	6
Hogs & pigs 2/	6	head	2,950,000	5
Milk cow operations	6	number	9,500	4
Cattle & calves 1/	7	head	4,250,000	4
American cheese production	8	lbs	60,918,000	2
Butter production	9	lbs	17,297,000	2
Milk cows 1/	10	head	224,000	2
Milk production	10	pounds	2,900,000	2
Sheep operations	11	number	3,700	3
All chickens 3/	12	head	8,700,000	2
Red meat production	13	pounds	902,890,000	2
Egg production	14	millions	1,525	2
Ice cream (hard & soft) production	15	gallons	22,165,000	2
Cattle & calves on feed 1/	18	head	110,000	1
Wool production	20	pounds	830,000	1
Sheep & lambs 1/	23	head	103,000	1
Honey production	25	lbs	1,950,000	1

1/ Inventory on hand January 1, 1988.
2/ Inventory on hand December 1, 1987.
3/ Inventory on hand December 1, 1987 (excludes commercial broilers).

POPULATION:
BY COUNTIES, Missouri, 1986 1/

County	1986	1980	1986/80 Percent Change 2/
Adair	23,900	24,870	(3.8)
Andrew	14,900	13,980	6.8
Atchison	8,000	8,605	(7.5)
Audrain	25,400	26,458	(4.1)
Barry	26,300	24,408	7.7
Barton	11,400	11,292	1.3
Bates	15,800	15,873	(0.2)
Benton	12,900	12,183	6.1
Bollinger	10,700	10,301	3.6
Boone	106,300	100,376	5.9
Buchanan	85,800	87,888	(2.3)
Butler	38,300	37,693	1.6
Caldwell	8,100	8,660	(5.9)
Callaway	31,800	32,252	(1.3)
Camden	25,200	20,017	25.7
Cape Girardeau	61,300	58,837	4.2
Carroll	11,400	12,131	(5.8)
Carter	5,800	5,428	6.4
Cass	57,300	51,029	12.3
Cedar	12,400	11,894	3.9
Charlton	10,000	10,489	(4.7)
Christian	27,100	22,402	21.0
Clark	8,000	8,493	(5.6)
Clay	144,900	136,488	6.1
Clinton	16,400	15,916	3.1
Cole	63,600	56,663	12.3
Cooper	15,300	14,643	4.4
Crawford	19,200	18,300	4.7
Dade	7,500	7,383	1.5
Dallas	12,800	12,096	5.5
Daviess	8,500	8,905	(4.3)
DeKalb	8,100	8,222	(1.6)
Dent	14,300	14,517	(1.8)
Douglas	12,200	11,594	5.3
Dunklin	34,400	36,324	(5.2)
Franklin	77,900	71,233	9.4
Gasconade	13,500	13,181	2.6
Gentry	7,400	7,887	(5.7)
Greene	198,200	185,302	7.0
Grundy	11,200	11,959	(6.6)
Harrison	9,400	9,890	(5.3)
Henry	20,000	19,672	1.8
Hickory	7,000	6,367	10.4
Holt	6,500	6,882	(5.9)
Howard	9,800	10,008	(2.1)
Howell	30,000	28,807	4.2
Iron	10,800	11,084	(2.1)
Jackson	636,400	629,266	1.1
Jasper	89,500	86,958	2.9
Jefferson	163,800	146,183	12.0
Johnson	38,000	39,059	(2.8)
Knox	4,900	5,508	(11.2)
Laclede	26,300	24,323	8.2
Lafayette	30,500	29,925	2.0
Lawrence	30,400	28,973	5.0
Lewis	10,600	10,901	(2.5)
Lincoln	26,100	22,193	17.8
Linn	14,700	15,495	(5.2)
Livingston	15,100	15,739	(3.8)
McDonald	15,900	14,917	6.5
Macon	16,700	16,313	2.6
Madison	11,400	10,725	6.2
Maries	8,000	7,551	5.4
Marion	28,600	28,638	(0.3)
Mercer	[illegible],100	4,685	(11.7)
Miller	21,100	18,539	13.5
Mississippi	15,500	15,726	(1.6)
Moniteau	12,800	12,068	6.4
Monroe	9,500	9,716	(2.4)
Montgomery	11,400	11,537	(0.8)
Morgan	15,600	13,807	13.3
New Madrid	21,800	22,945	(5.0)
Newton	43,400	40,555	7.1
Nodaway	21,100	21,996	(4.0)
Oregon	9,900	10,238	(3.0)
Osage	12,100	12,014	0.4
Ozark	8,700	7,961	9.2
Pemiscot	23,600	24,987	(5.6)
Perry	17,100	16,784	1.8
Pettis	36,000	36,378	(1.1)
Phelps	34,300	33,633	2.0
Pike	16,700	17,568	(5.0)
Platte	51,000	46,341	10.0
Polk	20,300	18,822	8.1
Pulaski	44,500	42,011	5.9
Putnam	5,500	6,092	(9.8)
Ralls	8,900	8,984	(1.4)
Randolph	26,200	25,460	2.9
Ray	22,100	21,378	3.5
Reynolds	6,600	7,230	(8.5)
Ripley	12,800	12,458	2.9
St. Charles	181,900	144,107	26.2
St. Clair	8,400	8,622	(3.1)
St. Francois	44,200	42,600	3.9
St. Louis	993,200	974,177	2.0
Ste. Genevieve	16,000	15,180	5.2
Saline	24,500	24,919	(1.7)
Schuyler	4,500	4,979	(9.8)
Scotland	5,100	5,415	(5.4)
Scott	40,200	39,647	1.4
Shannon	7,800	7,885	(0.8)
Shelby	7,300	7,826	(6.6)
Stoddard	28,700	29,009	(1.1)
Stone	18,000	15,587	15.5
Sullivan	6,800	7,434	(8.1)
Taney	24,700	20,467	20.7
Texas	21,500	21,070	2.0
Vernon	19,800	19,806	0.2
Warren	18,200	14,900	22.2
Washington	19,000	17,983	5.4
Wayne	11,700	11,277	3.6
Webster	22,700	20,414	11.1
Worth	2,700	3,008	(9.6)
Wright	16,400	16,188	1.6
St. Louis City	426,100	452,804	(5.9)
State	5,066,000	4,916,766	3.0
U.S.	241,078,000	226,546,000	6.4

Source: Missouri State Center for Health Statistics; U.S. Dept. of Commerce, Bureau of the Census.

1/ 1986 figures are as of July 1, 1986.
1980 figures are as of April 1, 1980 (CENSUS).

2/ Number in ( ) denote decreases in population. 1986 county estimates rounded to the nearest hundred. Percentages based on unrounded numbers.

CROPS

1987 Missouri Crop Summary

by David Emslie

The Missouri crop season in 1987 was generally conducive to excellent yields, although production was well below a year earlier for several major crops due to declines in acreage. Farmers had one of the best years ever for getting fieldwork done, as the weather co-operated during both planting and harvesting in most areas. Corn planting began at about the normal time in early April, but advanced at a record pace. Planting of all row crops was completed about 2 to 3 weeks early in most areas.

Rainfall in Missouri averaged 39.6 inches, similar to normal. County totals ranged from 56.8 inches in Taney County to less than 30 inches in Putnam, Audrain, Callaway and Knox Counties. The hot, dry weather of late July was less severe than many drought periods of past years. The Bootheel area continued particularly dry in late summer and early fall, causing a reduction in soybean and sorghum yields.

With earlier planting and development of row crops than normal, fall harvesting also began early. Occasional interruptions of harvesting by rain were generally brief, with no prolonged periods of wet weather. Harvesting of corn, sorghum and cotton was very nearly complete by November 1 and the soybean harvest was virtually complete by November 10. This was a record harvesting pace for these crops, with completion being well over a month earlier than normal.

SOYBEANS: The 1987 production totaled 155 million bushels, 9 percent less than in 1986 and 14 percent less than 2 years earlier. The state average yield of 32.0 bushels was down one-half bushel from 1986 and 2.5 bushels below the record of 1985. Harvested acres totaled 4.83 million, 8 percent below a year earlier. Missouri ranked third nationally in harvested acres of soybeans and fifth in production. Total value of Missouri soybean production is estimated at $850 million, 8 percent more than the 1986 crop value as higher prices more than offset the decline in production.

CORN: Production of 243 million bushels was down 13 percent from the previous year's crop and 11 percent less than in 1985. Acres harvested for grain at 2.15 million were 11 percent fewer than in 1986. The state yield of 113 bushels is down 3 bushels from the previous year record high. The total value of grain production at $413 million was up 1 percent from the 1986 value. Corn silage production totaled 1.12 million tons, 4 percent more than in 1986. The state average yield of 14 tons is up one-half ton from the previous year, and equals the record high of 1981.

WINTER WHEAT: Production in 1987 totaled 35.4 million bushels, up 88 percent from the small crop of 1986. Yield per acre was a record high 46 bushels, 13 bushels above the previous year and 2 bushels above the previous record of 1979. Wheat seeded acres were limited to 900,000, down 14 percent from the previous year, and the lowest since 1971. Continual rain during the fall of 1986 severely restricted seeding for the 1987 crop, making this the third consecutive year that acreage intentions were not realized due to wet weather. Harvested acres of 770,000 were up 35 percent from the extremely low level of 1986. Total value of the crop was $90.3 million, more than double the 1986 value.

GRAIN SORGHUM: A total of 59.5 million bushels of grain sorghum was produced, 36 percent less than a year earlier. There were 700,000 acres harvested. For grain, 39 percent fewer than in 1986. A record high yield of 85 bushels was produced, 4 bushels above the 1986 yield and 2 bushels above the previous record of 1985. Total value of sorghum harvested for grain declined 22 percent from last year to $89.8 million, as the sharp decrease in production much more than off-set the higher prices. Production of sorghum silage at 120,000 tons was up 4 percent from the previous year. The 10,000 acres cut for silage averaged 12 tons per acre.

RICE: The 1987 rice crop production of 3.56 million hundredweight was 4 percent larger than the 1986 crop. Harvested acres totaled 66,000, down 1,000 from the previous year. A record yield of 5,400 pounds per acre was produced, compared with the previous high of 5,120 pounds in 1986.

HAY: The 1987 production of all hay totals 6.18 million tons, up 2 percent from the 1986 crop. Acres harvested at 3.52 million were 4 percent more than the previous year. The average yield was 1.76 tons per acre, nearly the same as the 1.77 tons in 1986. Acres of alfalfa were unchanged from the previous year at 420,000, while the yield declined one-tenth ton to 2.90 tons. Production of alfalfa at 1.22 million tons was 3 percent less than in 1986. Acreage of all other hay was up 4 percent to 3.1 million acres. The average yield for other hay at 1.60 tons was unchanged from the previous year, giving a total production of 4.96 million tons, 4 percent more than in 1986.

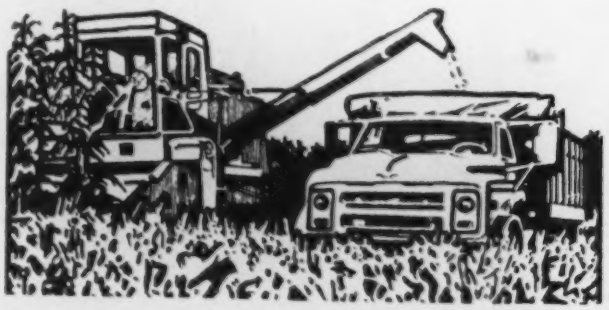
COTTON: Bales of cotton produced in 1987 totaled 330,000, up 68 percent from the previous year's production. Acres harvested at 189,000 were up 18 percent from 1986. The record high yield average of 838 pounds per acre was 250 pounds above the 1986 yield and 185 pounds above the previous high in 1985. Value of the state's cotton crop is estimated at $104.5 million, 116 percent more than the 1986 value. Cottonseed production totaled 130,000 tons, with a value of $9.23 million.

TOBACCO: Tobacco production in 1987 totaled 3.5 million pounds, 20 percent less than in 1986. Acres harvested at 1,700 were down from 2,100 a year earlier. Yield averaged 2,070 pounds, compared with 2,090 in 1986. The value of production at $5.5 million declined 19 percent from the 1986 value.

MISSOURI CROP PRODUCTION, 1986–87

Crop	Unit	Acres Harvested		Yield Per Acre		Production	
		1986	1987	1986	1987	1986	1987
		-thous. ac.-		-units-		-thous. units-	
Corn for Grain	bu.	2,420	2,150	116.0	113.0	280,720	242,950
Corn for Silage	ton	80	80	13.5	14.0	1,080	1,120
Sorghum for Grain	bu.	1,140	700	81.0	85.0	92,340	59,500
Sorghum for Silage	ton	10	10	11.5	12.0	115	120
Soybeans	bu.	5,250	4,830	32.5	32.0	170,625	154,560
Winter Wheat	bu.	570	770	33.0	46.0	18,810	35,420
Oats	bu.	100	90	50.0	38.0	5,000	3,420
Rye	bu.	3	2	20.0	18.0	60	36
All Rice 1/	cwt.	67	66	5,120	5,400	3,434	3,564
Long Grain	cwt.	65	63	5,130	5,430	3,335	3,420
Medium Grain	cwt.	2	3	4,950	4,800	99	144
Cotton 2/	bale	160	189	588	838	196	330
Cottonseed	ton	---	---	---	—	81.0	130.0
Tobacco 3/	lb.	2.1	1.7	2,090	2,070	4,389	3,519
All Hay 4/	ton	3,400	3,520	1.77	1.76	6,028	6,178
Alfalfa Hay	ton	420	420	3.00	2.90	1,260	1,218
All Other Hay	ton	2,980	3,100	1.60	1.60	4,768	4,960
Apples 5/	lb.					37,000	50,000
Peaches 5/	lb.					12,000	13,000
Grapes 6/	ton					2.90	2.75

1/ Yield in pounds, production in hundredweight.
2/ Yield in pounds, production in 480 pound bales.
3/ Yield and production in pounds.
4/ Yield and production in tons.
5/ Utilized production in pounds.
6/ Utilized production in tons.



VALUE OF MISSOURI CROP PRODUCTION, 1986–87

Crop	Unit	Average Value 1/ Per Unit		Value of Production	
		1986	1987	1986	1987
		-dollars-		-thousand dollars-	
Corn	bu.	1.45	1.70	407,044	413,015
Grain Sorghum	bu.	1.25	1.51	115,425	89,845
Soybeans	bu.	4.61	5.50	786,581	850,080
Winter Wheat	bu.	2.37	2.55	44,580	90,321
Oats	bu.	1.05	1.55	5,250	5,301
Rye	bu.	1.75	1.85	105	67
All Rice 2/	cwt.	3.57	7.50	12,259	26,730
All Hay	ton	55.00	58.50	331,540	361,413
Cotton	lb.	.515	.660	48,451	104,544
Cottonseed	ton	63.00	71.00	5,103	9,230
Tobacco	lb.	1.548	1.568	6,794	5,518
Apples 3/	lb.	.212	.130	7,837	6,500
Peaches 3/	lb.	.210	.187	2,520	2,431
Grapes 3/	ton	310.00	351.00	899	966
Total Crops 4/	---	---	---	1,775,241	1,965,961

1/ Value is marketing year average price.
2/ U.S. price used for current year.
3/ Value of utilized production.
4/ Does not include minor crops.

CROP RECORDS FOR MISSOURI:

Acreage, Yield, Production

Crop	Date Series Began	Record	Acreage Harvested -thousands-	Year 1/	Yield Per Acre	Year 1/	Total Production -thousands-	Year 1/	Unit
Corn for Grain 2/	1919	High	5,993	1925	116.0	1986	280,720	1986	bu.
		Low	1,430	1983	9.3	1934	14,145	1934	bu.
Corn for Silage	1919	High	667	1954	**14.0**	**1987**	3,141	1964	tons
		Low	32	1926	2.7	1934	198	1935	tons
Soybeans for Beans	1924	High	5,830	1979	34.5	1985	183,645	1979	bu.
		Low	44	1925	5.0	1936	255	1936	bu.
Sorghum for Grain 3/	1929	High	1,410	1985	**85.0**	**1987**	117,030	1985	bu.
		Low	23	1951	6.4	1936	167	1936	bu.
Sorghum for Silage	1929	High	144	1957	13.0	1981	1,408	1958	tons
		Low	8	1929	4.1	1936	46	1929	tons
Winter Wheat 4/	1909	High	4,565	1919	**46.0**	**1987**	115,500	1981	bu.
		Low	570	1986	8.5	1916	9,035	1942	bu.
Rye	1866	High	107	1919	27.0	1985	1,326	1954	bu.
		Low	**2**	**1987**	7.0	1901	**36**	**1987**	bu.
Oats	1866	High	2,250	1943	55.0	1985	59,427	1942	bu.
		Low	32	1978	10.0	1901	1,280	1978	bu.
Cotton 5/	1879	High	600	1949	**838.0**	**1987**	508	1959	bales
		Low	32	1879	127.0	1895	12	1895	bales
Rice (All)	1924	High	80	1982	**5,400**	**1987**	3,582	1982	cwt.
		Low	1	1924	1,125	1927	22	1924	cwt.
Tobacco	1866	High	29.0	1877	2,600.0	1970	28,420	1876	lbs.
		Low	**1.7**	**1987**	505.0	1887	2,340	1918	lbs.
All Hay	1909	High	3,914	1945	1.99	1968	6,584	1981	tons
		Low	2,442	1937	.51	1911	1,567	1911	tons
Alfalfa Hay	1924	High	850	1969	3.10	1968	2,493	1967	tons
		Low	120	1930	1.50	1936	216	1930	tons
All Other Hay	1924	High	3,600	1945	1.75	1985	5,163	1985	tons
		Low	1,982	1959	.53	1934	1,402	1936	tons
Cottonseed	1879	High	---	---	---	---	213	1948	tons
		Low	---	---	---	---	5	1895	tons
Apples Commercial	1934	High	---	---	---	---	116,592	1937	lbs.
		Low	---	---	---	---	17,934	1936	lbs.
Peaches	1899	High	---	---	---	---	192,000	1906	lbs.
		Low	---	---	---	---	6/	1985	lbs.
Grapes	1909	High	---	---	---	---	11.2	1931	tons
		Low	---	---	---	---	.9	1985	tons

1/ These are the latest years that records were achieved. In some cases these records were equaled in several earlier years.
2/ Between 1866 and 1919, corn for grain was included in all corn estimates.
3/ Between 1919 and 1929, sorghum for grain was included in all sorghum estimates.
4/ Between 1866 and 1909, winter wheat was included in all wheat estimates.
5/ Yield measured in pounds.
6/ No significant commercial production due to frost.

1987 WEATHER IN REVIEW

by J.B. Atkins

The year started off quite wet with the moisture supply rated at 50 percent surplus. Harvesting was still taking place due to wet conditions in the previous fall, but was nearly complete for corn and sorghum by the end of January with soybeans following in February. Above normal temperatures and near normal to below normal precipitation allowed drying to take place throughout January and February with some limited fieldwork occurring once harvesting was complete. Unseasonably warm weather in mid-March started spring fieldwork into full swing, but during the last week of March below normal temperatures combined with rain delayed fieldwork.

April began cold but warmed up as the month ended with above normal temperatures. Winter wheat appeared to have survived the wet fall and winter with nearly 80 percent of the crop in fair to good condition as of April 5. Rains at mid-month caused flooding along the Missouri River and its tributaries. This slowed fieldwork substantially as well as boosting moisture supplies to 50 percent surplus and 50 percent adequate statewide.

Above normal temperatures and only scattered showers dominated the month of May. Fieldwork and planting set record paces during the month with corn acreage being over 80 percent planted by the second week despite rains and flooding in the previous month. All other plantings were at least a week ahead of normal as well. The moisture supply was becoming short by the end of the month.

Rains fell in early June improving the moisture supply in most of the state. Wheat harvest started early in June due to the dry May conditions which had rapidly promoted the maturing process. All crops were reported over 90 percent planted by mid-June. This was 3 weeks ahead of normal, as weather permitted completion of planting in record time in many areas. Dry weather continued throughout the rest of June and by the end of the month the state's moisture supply was reported at 75 percent short.

Cooler temperatures and rains greatly improved crop conditions in early July. This was especially helpful to the corn crop which was at the crucial stage of pollination. Dry weather once again returned at the end of July and moisture levels again plummeted. Crop development was about 2 weeks ahead of normal for most crops at this time.

Crops were becoming very dry, but timely rains during the second week of August were of considerable benefit in most areas. Crop maturation was setting a record breaking pace due to the early planting and warm, dry weather. Some harvesting was beginning, but widespread rains in the last week of the month curtailed the early progress.

In September crops continued to mature at a high rate of up to 2 weeks ahead of normal. Harvesting was in full swing statewide. Warm temperatures and only small amounts of precipitation allowed harvesting to progress sharply ahead of normal. The weather was also very conducive for fall wheat seeding.

The dry weather continued into October which put harvesting nearly complete with over 90 percent of all crops except soybeans being harvested by October 25. Wheat seeding was also nearly 4 weeks ahead of normal. Pastures and wheat were in need of rain, as the moisture supply was rated as short in over half of the state.

November was much warmer than normal with some precipitation towards the end of the month which greatly relieved the moisture shortage that was prevalent. Harvesting was virtually completed statewide by the end of the month, as was fall tillage. The early spring plantings and excellent fall harvesting weather resulted in 1987 having the earliest harvest on record for corn, soybeans, sorghum and cotton.

MISSOURI AGRICULTURAL STATISTICS DISTRICTS WITH 1987 PRECIPITATION BY COUNTY *

*Precipitation data represents one location per county and is furnished by the Agricultural Stabilization and Conservation Service county offices.

CLIMATOLOGICAL DATA: Precipitation, Snowfall and Average Temperatures, Selected Weather Stations, by Months, Missouri, 1987

Weather Station	Precipitation											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	-inches of water-											
Maryville	0.42	0.15	4.45	1.77	3.47	3.83	1.90	9.19	2.23	1.09	4.71	1.12
Brookfield	1.00	0.59	2.68	2.48	3.16	1.69	8.29	7.01	3.69	1.44	4.25	2.33
Kirksville	0.00	0.00	1.89	1.64	1.95	3.21	3.07	4.72	2.02	1.68	2.83	1.20
Kansas City 1/	0.77	2.26	2.85	2.24	4.74	4.58	3.00	4.64	3.66	1.32	1.88	2.05
Columbia 1/	2.04	0.90	1.82	1.87	2.78	2.24	5.24	3.17	2.92	1.75	3.35	5.48
St. Louis 1/	1.98	1.40	2.16	1.74	2.00	3.59	5.04	5.56	1.62	1.57	4.09	7.46
Springfield	2.07	5.25	3.95	2.15	5.39	5.80	2.57	4.35	4.08	3.24	9.16	7.48
West Plains	2.21	0.00	2.40	1.68	2.17	5.15	7.67	1.71	1.29	2.75	4.09	8.27
Poplar Bluff	0.92	4.77	2.52	0.00	1.15	5.45	5.29	2.70	3.60	1.54	4.11	8.11

Weather Station	Snowfall											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	-inches of snow-											
Maryville	0.0	T	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0
Brookfield	M	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Kirksville	7.8	M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	8.9
Kansas City 1/	10.5	5.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T	2.0	0.0
Columbia 1/	21.2	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	16.1
St. Louis 1/	23.6	0.6	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	7.3
Springfield	11.7	2.1	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	8.7
West Plains	7.0	M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T
Poplar Bluff	5.5	0.0	0.0	M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Weather Station	Average Temperatures											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	-degrees Fahrenheit-											
Maryville	26.6	36.2	43.4	52.3	66.9	74.3	76.0	72.8	64.5	47.0	43.3	32.9
Brookfield	28.6	39.6	47.7	58.0	70.4	76.2	78.8	75.7	67.6	53.4	46.7	34.7
Kirksville	28.1	37.5	45.2	56.2	68.2	74.1	76.6	72.1	63.3	48.5	42.3	31.6
Kansas City 1/	29.7	39.4	47.1	56.8	70.6	76.0	79.9	76.4	76.8	52.0	46.7	35.1
Columbia 1/	29.6	39.8	47.4	55.5	69.1	75.6	79.2	77.1	67.7	51.6	46.2	35.9
St. Louis 1/	30.6	40.1	48.6	56.9	72.6	77.9	81.0	78.9	70.5	52.3	49.3	38.0
Springfield	32.7	41.5	48.5	56.7	70.8	74.7	78.5	79.1	67.6	52.9	46.9	37.2
West Plains	34.3	M	49.5	58.1	70.3	74.9	77.3	79.3	69.1	54.3	49.5	38.8
Poplar Bluff	34.0	40.9	51.1	M	73.7	78.9	79.4	80.3	71.9	54.0	50.1	39.2

Source: United States Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Data and Information Service

T-Trace
M-Missing Data
1/Airport

USUAL PLANTING AND HARVESTING DATES, By Crop and Principal Producing Areas, Missouri

CROP	USUAL PLANTING DATES	USUAL HARVESTING DATES			PRINCIPAL PRODUCING AREAS AND COUNTIES
		BEGIN	MOST ACTIVE	END	
CORN:					
GRAIN	APR 10 - JUN 10	SEP 5	SEP 25 - NOV 15	DEC 20	STATEWIDE
SILAGE	APR 10 - JUN 10	AUG 15	AUG 25 - SEP 15	SEP 25	STATEWIDE
FORAGE	APR 10 - JUN 10	AUG 15	AUG 25 - SEP 15	SEP 25	STATEWIDE
COTTON	APR 20 - JUN 1	SEP 20	OCT 1 - NOV 15	DEC 15	SOUTHEAST
HAY:					
ALFALFA		MAY 20		SEP 10	STATEWIDE
OTHER		MAY 20		SEP 20	STATEWIDE
OATS:					
SPRING	MAR 1 - APR 25	JUN 15	JUN 25 - JUL 15	JUL 25	STATEWIDE
RICE	APR 15 - MAY 30	AUG 25	SEP 1 - OCT 1	OCT 25	SOUTHEAST
RYE	AUG 15 - OCT 20	JUN 10	JUN 20 - JUL 10	JUL 10	STATEWIDE
SORGHUM:					
GRAIN	MAY 1 - JUL 1	SEP 10	SEP 25 - OCT 25	DEC 10	STATEWIDE
SILAGE	MAY 5 - JUL 1	AUG 15	AUG 25 - SEP 15	OCT 20	STATEWIDE
SOYBEANS	MAY 1 - JUL 10	SEP 15	OCT 5 - NOV 15	DEC 15	STATEWIDE
TOBACCO:					
TYPE 31	MAY 15 - JUN 10	AUG 20	AUG 25 - SEP 15	SEP 25	PLATTE, BUCHANAN
WHEAT:					
WINTER	SEP 20 - NOV 20	JUN 10	JUN 20 - JUL 10	JUL 20	STATEWIDE

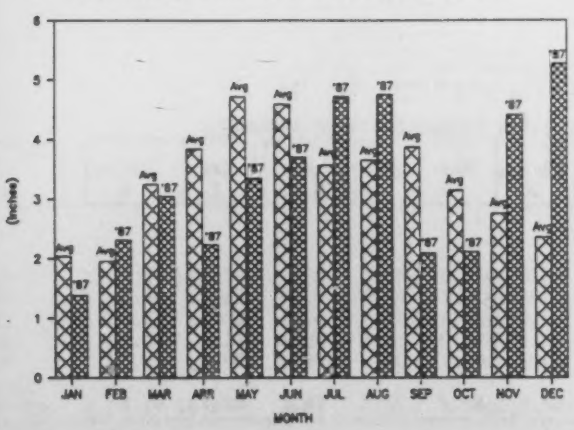
GROWING DEGREE DAYS 1/

	1985 2/	1986 3/	1987 4/	1987 Departure From Long Term Average
St. Joseph	3,365	3,708	3,727	+169
Kirksville	3,201	3,542	3,611	+357
Quincy, Il	3,259	3,530	3,593	+250
Kansas City	3,425	3,748	3,808	+237
Columbia	3,404	3,244	3,691	+181
St. Louis	3,717	4,042	4,064	+347
Nevada	3,728	3,903	3,711	-57
Springfield	3,633	3,750	3,776	+181
Cairo, Il	4,043	4,244	4,382	+264
Caruthersville	4,065	4,091	4,076	-5

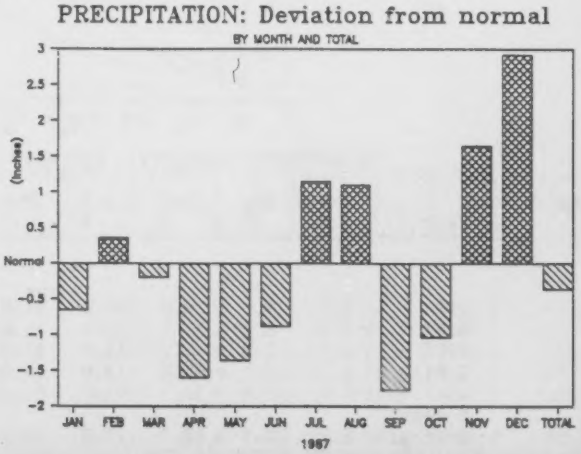
1/ Growing degree days are calculated by subtracting a 50-degree (Fahrenheit) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degres (F). Thus, if the mean temperature for the day is 75 degrees, then 25 growing degree days will have been accumulated.

2/ Accumulated from April 1 to Sept. 28. 3/ Accumulated to Sept. 27. 4/ Accumulated to Sept. 26.

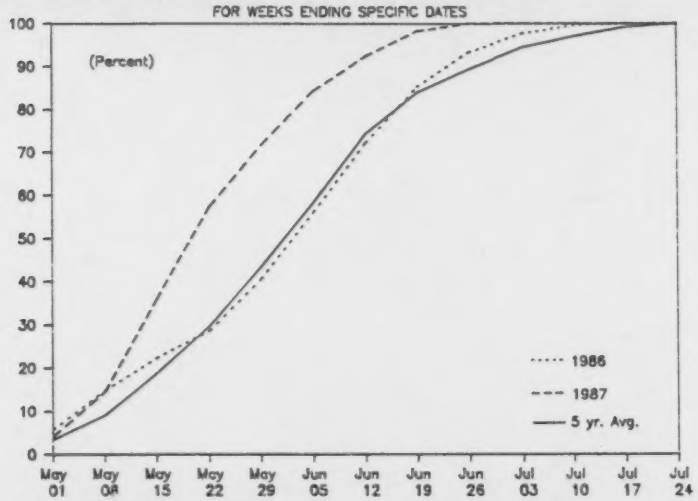
MONTHLY PRECIPITATION: Missouri



PRECIPITATION: Deviation from normal



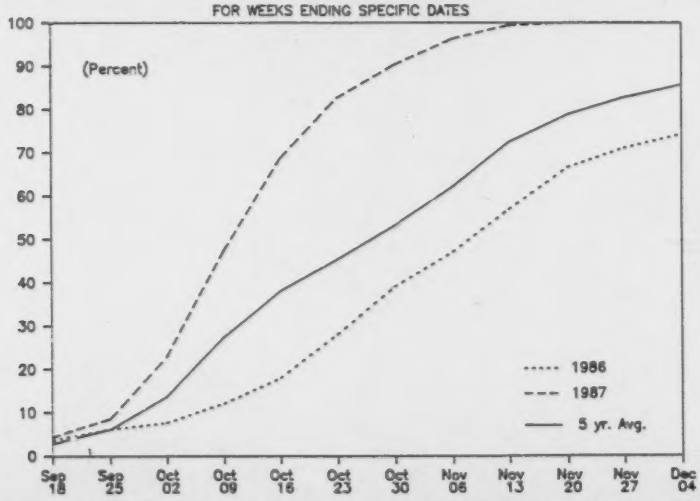
SOYBEANS PLANTED: Missouri



SOYBEANS PLANTED: For Weeks Ending Specific Dates, Missouri 1983-87

Year	May 1	May 8	May 15	May 22	May 29	Jun 5	Jun 12	Jun 19	Jun 26	Jul 3	Jul 10	Jul 17	Jul 24
						-percent-							
1983	1.0	1.0	4.0	6.0	18.0	42.0	66.0	84.0	86.0	92.0	94.0	98.0	100.0
1984	1.0	1.6	5.3	14.4	24.7	38.4	62.9	67.6	77.4	87.7	93.7	98.6	100.0
1985	5.4	13.7	26.6	42.0	62.3	71.0	78.4	85.1	90.6	95.3	97.9	99.4	100.0
1986	5.9	14.9	22.3	28.6	40.6	56.1	72.1	85.3	93.4	97.7	99.6	100.0	100.0
1987	4.3	14.6	35.9	57.3	71.6	84.3	92.3	98.3	100.0	100.0	100.0	100.0	100.0
5-Year Average	**3.5**	**9.1**	**18.8**	**29.7**	**43.4**	**58.4**	**74.3**	**84.1**	**89.5**	**94.5**	**97.0**	**99.2**	**100.0**

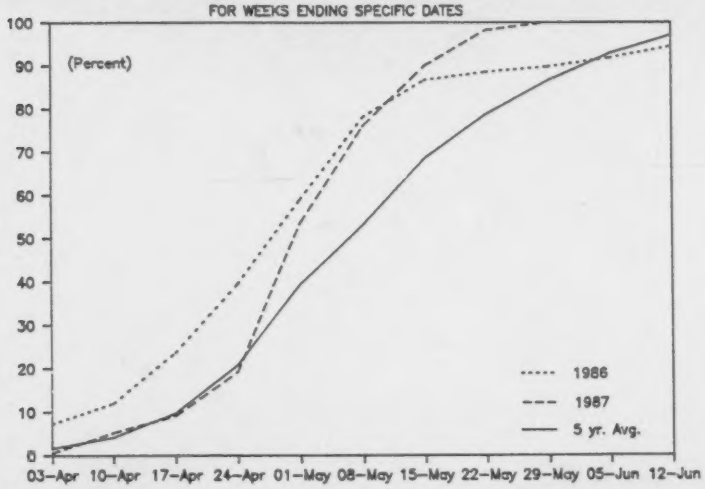
SOYBEANS HARVESTED: Missouri



SOYBEANS HARVESTED: For Weeks Ending Specific Dates, Missouri 1983-87

Year	Sep 18	Sep 25	Oct 2	Oct 9	Oct 16	Oct 23	Oct 30	Nov 6	Nov 13	Nov 20	Nov 27	Dec 4
						-percent-						
1983	3.0	9.0	22.0	45.0	61.0	66.0	72.0	79.0	85.0	89.0	92.0	96.0
1984	2.6	5.1	11.1	20.7	25.6	27.9	30.6	39.1	61.3	75.7	86.4	92.0
1985	0.7	1.9	5.1	11.4	17.3	22.4	33.9	49.4	59.7	62.4	63.9	65.9
1986	3.7	6.1	7.6	12.0	17.9	28.0	39.1	47.0	56.9	66.6	71.1	74.3
1987	4.4	8.6	22.9	47.3	68.6	82.6	90.3	96.3	99.4	100.0	100.0	100.0
5-Year Average	**2.9**	**6.1**	**13.7**	**27.3**	**38.1**	**45.4**	**53.2**	**62.2**	**72.5**	**78.7**	**82.7**	**85.6**

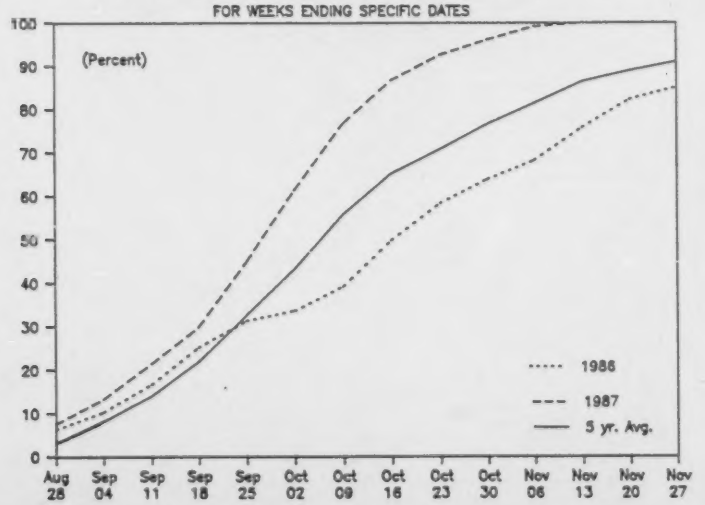
CORN PLANTED: Missouri



CORN PLANTED: For Weeks Ending Specific Dates, Missouri 1983-87

Year	Apr 3	Apr 10	Apr 17	Apr 24	May 1	May 8	May 15	May 22	May 29	Jun 5	Jun 12
						-percent-					
1983	0.0	1.0	3.0	5.0	12.0	20.0	47.0	51.0	73.0	88.0	96.0
1984	0.0	0.0	0.3	2.1	7.0	14.6	32.1	62.9	73.4	85.7	95.3
1985	0.3	2.7	12.7	38.9	65.6	77.7	87.0	93.1	96.9	98.9	100.0
1986	7.3	12.0	23.7	39.6	59.1	78.1	86.7	88.6	89.8	91.8	94.5
1987	0.7	5.3	9.1	19.3	53.7	76.0	90.0	98.3	100.0	100.0	100.0
5-Year Average	**1.7**	**4.2**	**9.8**	**21.0**	**39.5**	**53.3**	**68.6**	**78.8**	**86.6**	**92.9**	**97.2**

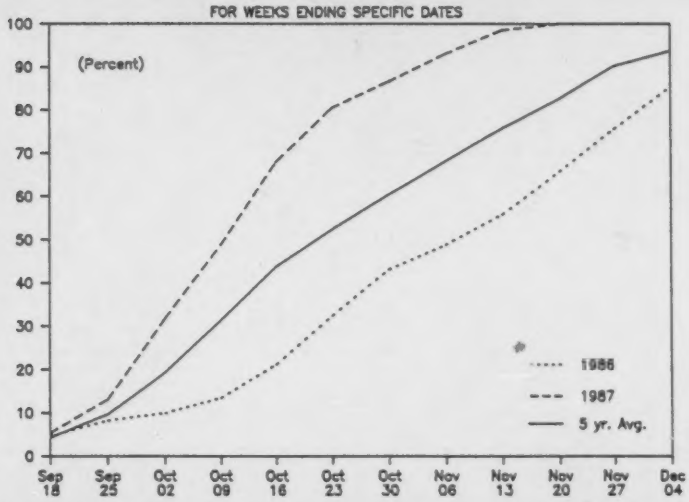
CORN HARVESTED: Missouri



CORN HARVESTED FOR GRAIN: For Weeks Ending Specific Dates, Missouri 1983-87

Year	Sep 4	Sep 11	Sep 18	Sep 25	Oct 2	Oct 9	Oct 16	Oct 23	Oct 30	Nov 6	Nov 13	Nov 20	Nov 27
							-percent-						
1983	7.0	14.0	24.0	37.0	54.0	74.0	84.0	87.0	92.0	92.0	94.0	95.0	97.0
1984	5.1	9.1	15.7	27.0	36.0	48.9	57.1	61.7	67.4	75.0	85.9	89.1	92.9
1985	5.3	8.7	14.9	23.0	31.3	40.9	48.1	54.4	63.7	73.0	77.4	78.4	80.3
1986	10.3	16.6	25.1	31.3	33.6	39.1	49.9	58.4	63.9	68.3	75.7	82.3	85.1
1987	13.3	21.4	29.7	44.9	61.4	76.7	86.7	92.6	96.1	99.1	100.0	100.0	100.0
5-Year Average	**8.2**	**14.0**	**21.9**	**32.6**	**43.3**	**55.9**	**65.2**	**70.8**	**76.6**	**81.5**	**86.6**	**89.0**	**91.1**

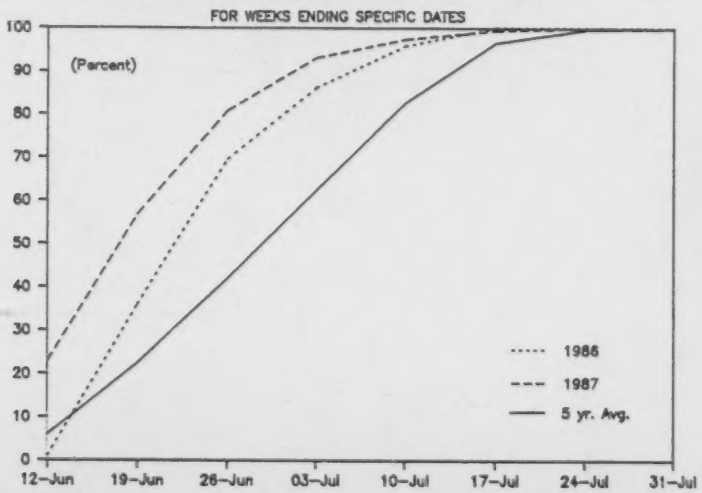
WHEAT PLANTED: Missouri



WHEAT SEEDED: For Weeks Ending Specific Dates Missouri 1983-87

Year	Sep 18	Sep 25	Oct 2	Oct 9	Oct 16	Oct 23	Oct 30	Nov 06	Nov 13	Nov 20	Nov 27	Dec 4
						-percent-						
1983	3.0	9.0	23.0	40.0	59.0	67.0	77.0	84.0	88.0	92.0	95.0	97.0
1984	4.4	9.4	17.0	30.4	39.6	42.1	46.1	52.4	63.6	74.6	86.6	89.4
1985	4.0	8.9	14.7	24.0	31.4	39.9	49.3	62.5	73.0	80.7	93.6	97.0
1986	4.7	8.3	10.0	13.4	21.1	32.4	43.1	48.7	55.7	65.7	75.6	85.4
1987	5.4	13.1	31.7	48.7	68.0	80.4	86.6	93.0	98.6	100.0	100.0	100.0
5 Year Average	**4.3**	**9.7**	**19.3**	**31.3**	**43.8**	**52.4**	**60.4**	**68.1**	**75.8**	**82.6**	**90.1**	**93.8**

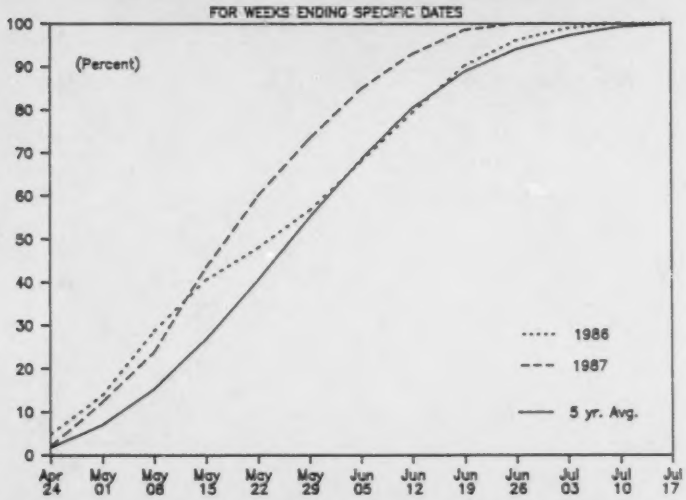
WHEAT HARVESTED: Missouri



WHEAT HARVESTED: For Weeks Ending Specific Dates Missouri 1983-87

Year	Jun 12	Jun 19	Jun 26	Jul 3	Jul 10	Jul 17	Jul 24	Jul 31
				-percent-				
1983	1.0	1.0	12.0	29.0	53.0	94.0	100.0	100.0
1984	1.9	6.6	18.1	41.9	74.4	90.9	98.6	100.0
1985	3.3	12.0	29.4	62.1	92.9	98.9	100.0	100.0
1986	1.0	36.0	69.7	86.1	95.9	100.0	100.0	100.0
1987	23.0	56.9	80.9	93.1	97.4	99.4	100.0	100.0
5 Year Average	**6.0**	**22.5**	**42.0**	**62.5**	**82.7**	**96.6**	**99.7**	**100.0**

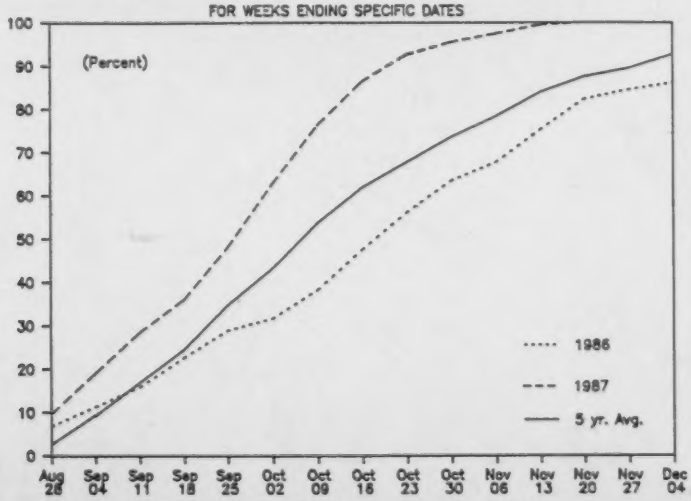
SORGHUM PLANTED: Missouri



SORGHUM PLANTED: For Weeks Ending Specific Dates, Missouri, 1983-87

Year	Apr 24	May 1	May 8	May 15	May 22	May 29	Jun 5	Jun 12	Jun 19	Jun 26	Jul 3	Jul 10	Jul 17
						-percent-							
1983	1.0	1.0	4.0	8.0	12.0	28.0	47.0	67.0	83.0	91.0	94.0	98.0	100.0
1984	0.0	1.9	4.9	13.9	35.3	50.6	67.1	81.1	85.4	90.7	96.1	99.3	100.0
1985	1.0	6.1	15.0	28.6	47.1	66.7	75.6	81.6	87.1	92.6	97.3	99.4	100.0
1986	4.9	13.9	28.7	40.6	48.0	56.7	67.9	79.3	90.3	96.1	99.0	100.0	100.0
1987	2.1	12.3	23.9	43.4	60.0	73.3	84.9	93.0	98.6	100.0	100.0	100.0	100.0
5-Year Average	**1.8**	**7.0**	**15.3**	**26.9**	**40.5**	**55.1**	**68.5**	**80.4**	**88.9**	**94.1**	**97.3**	**99.3**	**100.0**

SORGHUM HARVESTED: Missouri



SORGHUM HARVESTED FOR GRAIN: For Weeks Ending Specific Dates, Missouri 1983-87

Year	Sep 4	Sep 11	Sep 18	Sep 25	Oct 2	Oct 9	Oct 16	Oct 23	Oct 30	Nov 6	Nov 13	Nov 20	Nov 27
						-percent-							
1983	5.0	18.0	26.0	41.0	49.0	63.0	73.0	78.0	86.0	88.0	89.0	94.0	95.0
1984	4.9	11.1	21.4	32.3	41.4	51.7	56.9	60.1	63.9	70.6	82.9	86.4	91.0
1985	6.0	11.3	16.4	23.6	31.3	39.6	45.6	51.6	58.9	67.9	73.4	74.9	76.9
1986	11.3	15.9	22.6	28.9	31.6	38.3	47.6	56.1	63.4	67.7	75.3	82.3	84.6
1987	19.1	28.4	36.0	48.0	62.7	76.3	86.4	92.6	95.4	97.4	99.4	100.0	100.0
5-Year Average	**9.3**	**16.9**	**24.5**	**34.7**	**43.2**	**53.8**	**61.9**	**67.7**	**73.5**	**78.3**	**84.0**	**87.5**	**89.5**

FIELD CROPS:

Acreage, Yield, Production and Value
Missouri, 1983–87

CORN: Acreage, Yield, Production and Value, Missouri, 1983-87

Crop Year	All Corn			Harvested For Grain		
	Planted	Harvested	Abandoned 1/	Acres	Yield Per Acre	Production
	-thousand acres-			-thousands-	-bushels-	-thous bushels-
1983	1,700	1,655	45	1,430	51.0	72,930
1984	2,100	2,060	40	1,930	80.0	154,400
1985	2,600	2,580	20	2,480	110.0	272,800
1986	2,550	2,500	50	2,420	116.0	280,720
1987	**2,250**	**2,230**	**20**	**2,150**	**113.0**	**242,950**

Crop Year	Value of Corn for Grain 2/		Harvested for Silage		
	Per Bushel	Total	Acres	Yield Per Acre	Production
	-dollars-	-thous dol-	-thousands-	-tons-	-thousand tons-
1983	3.40	247,962	225	8.0	1,800
1984	2.69	415,336	130	11.0	1,430
1985	2.14	583,792	100	13.5	1,350
1986	1.45	407,044	80	13.5	1,080
1987	**1.70**	**413,015**	**80**	**14.0**	**1,120**

SORGHUM: Acreage, Yield, Production and Value, Missouri, 1983-87

Crop Year	All Sorghum			Harvested For Grain		
	Planted	Harvested	Abandoned 1/	Acres	Yield Per Acre	Production
	-thousand acres-			-thousands-	-bushels-	-thous bushels-
1983	740	716	24	690	58.0	40,020
1984	1,400	1,350	50	1,330	69.0	91,770
1985	1,450	1,424	26	1,410	83.0	117,030
1986	1,200	1,150	50	1,140	81.0	92,340
1987	**720**	**710**	**10**	**700**	**85.0**	**59,500**

Crop Year	Value of Sorghum for Grain 2/		Harvested for Silage		
	Per Bushel	Total	Acres	Yield Per Acre	Production
	-dollars-	-thous dol-	-thousands-	-tons-	-thousand tons-
1983	2.97	118,859	26	8.0	208
1984	2.30	211,071	20	8.5	170
1985	1.88	220,016	14	10.5	147
1986	1.25	115,425	10	11.5	115
1987	**1.51**	**89,845**	**10**	**12.0**	**120**

1/ Includes all acreage not harvested for silage or grain.
2/ Value is marketing year average price (see page 41). Prices prior to 1986 include allowances for crops under loan valued at the loan rate.

FIELD CROPS: Acreage, Yield, Production and Value, Missouri, 1983-87

Crop Year	Acreage Planted	Acreage Harvested	Unit	Yield Per Acre	Production	Value 1/ Per Unit	Value 1/ Total
	-thousands-				-thous units-	-dollars-	-thous dol-
				-Winter Wheat-			
1983	2,200	1,850	Bu.	38.0	70,300	3.34	234,802
1984	2,350	2,050	Bu.	41.0	84,050	3.19	268,120
1985	1,500	1,280	Bu.	39.0	49,920	2.88	143,770
1986	1,050	570	Bu.	33.0	18,810	2.37	44,580
1987	**900**	**770**	**Bu.**	**46.0**	**35,420**	**2.55**	**90,321**
				-All Soybeans-			
1983	5,300	5,150	Bu.	20.0	103,000	7.87	810,610
1984	5,500	5,300	Bu.	20.5	108,650	5.84	634,516
1985	5,300	5,230	Bu.	34.5	180,435	4.96	894,958
1986	5,450	5,250	Bu.	32.5	170,625	4.61	786,581
1987	**4,900**	**4,830**	**Bu.**	**32.0**	**154,560**	**5.50**	**850,080**
				-Soybeans, single crop-			
1983	4,500	4,425	Bu.	20.6	91,200	----	-------
1984	4,740	4,610	Bu.	20.8	95,900	----	-------
1985	4,830	4,775	Bu.	35.4	168,865	----	-------
1986	5,170	4,980	Bu.	32.8	163,290	----	-------
1987	**4,520**	**4,460**	**Bu.**	**32.9**	**146,820**	**----**	**-------**
				-Soybeans, double crop-			
1983	800	725	Bu.	16.3	11,800	----	-------
1984	760	690	Bu.	18.5	12,750	----	-------
1985	470	455	Bu.	25.4	11,570	----	-------
1986	280	270	Bu.	27.2	7,335	----	-------
1987	**380**	**370**	**Bu.**	**20.9**	**7,740**	**----**	**-------**
				-Cotton 2/-			
1983	108	93	Lb.	377	73	68.50	24,002
1984	164	162	Lb.	554	187	58.50	52,510
1985	152	150	Lb.	653	204	57.50	56,304
1986	178	160	Lb.	588	196	51.50	48,451
1987	**190**	**189**	**Lb.**	**838**	**330**	**66.00**	**104,544**
				-Cottonseed-			
1983	---	---	Ton	---	29.0	162.00	4,698
1984	---	---	Ton	---	72.0	86.50	6,228
1985	---	---	Ton	---	80.0	52.00	4,160
1986	---	---	Ton	---	81.0	63.00	5,103
1987	**---**	**---**	**Ton**	**---**	**130.0**	**71.00**	**9,230**
				-Oats-			
1983	110	54	Bu.	47.0	2,538	2.15	5,457
1984	65	33	Bu.	48.0	1,584	2.25	3,564
1985	170	105	Bu.	55.0	5,775	1.33	7,681
1986	190	100	Bu.	50.0	5,000	1.05	5,250
1987	**180**	**90**	**Bu.**	**38.0**	**3,420**	**1.55**	**5,301**

1/ Value is marketing year average price (see page 41). Prices prior to 1986 include allowances for crops under loan valued at the loan rate.
2/ Cotton production in 480 pound bales, price in cents per pound.

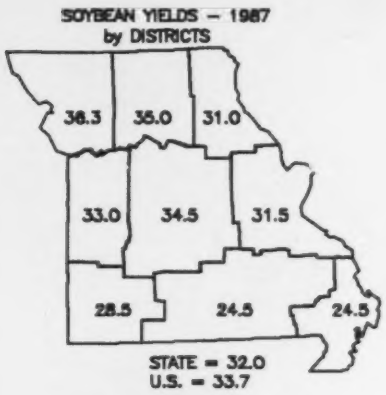
FIELD CROPS: Acreage, Yield, Production and Value, Missouri, 1983-87

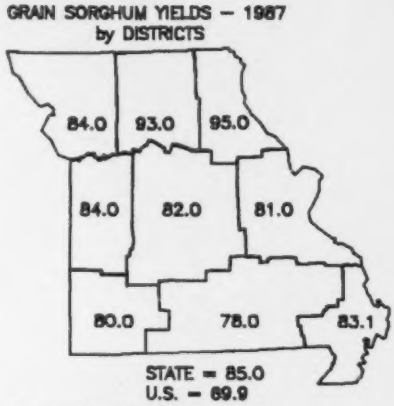
Crop Year	Acreage Planted	Acreage Harvested	Unit	Yield Per Acre	Production	Value 1/ Per Unit	Value 1/ Total
	-thousands-				-thous units-	-dollars-	-thous dol-
				-Rye-			
1983	30	2	Bu.	24.0	48	3.10	149
1984	47	3	Bu.	25.0	75	3.00	225
1985	38	3	Bu.	27.0	81	2.50	203
1986	20	3	Bu.	20.0	60	1.75	105
1987	**15**	**2**	**Bu.**	**18.0**	**36**	**1.85**	**67**
				-Rice (All) 2/-			
1983	63	62	Cwt.	4,090	2,534	9.49	24,048
1984	77	76	Cwt.	4,600	3,493	8.70	30,389
1985	72	72	Cwt.	4,810	3,463	7.05	24,414
1986	68	67	Cwt.	5,120	3,434	3.57	12,259
1987	**67**	**66**	**Cwt.**	**5,400**	**3,564**	**7.50 3/**	**26,730 4/**
				-Tobacco 5/-			
1983	---	3,100	Lb.	2,070	6,417	1.790	11,486
1984	---	2,900	Lb.	2,015	5,844	1.857	10,852
1985	---	2,500	Lb.	2,180	5,450	1.580	8,611
1986	---	2,100	Lb.	2,090	4,389	1.548	6,794
1987	**---**	**1,700**	**Lb.**	**2,070**	**3,519**	**1.568**	**5,518**
				-All Hay-			
1983	---	3,160	Ton	1.72	5,440	67.50	367,200
1984	---	3,450	Ton	1.84	6,338	69.00	437,322
1985	---	3,400	Ton	1.92	6,513	60.50	394,037
1986	---	3,400	Ton	1.77	6,028	55.00	331,540
1987	**---**	**3,520**	**Ton**	**1.76**	**6,178**	**58.50**	**361,413**
				-Alfalfa Hay-			
1983	---	480	Ton	2.40	1,152	---	---
1984	---	450	Ton	2.75	1,238	---	---
1985	---	450	Ton	3.00	1,350	---	---
1986	---	420	Ton	3.00	1,260	---	---
1987	**---**	**420**	**Ton**	**2.90**	**1,218**	**---**	**---**
				-All Other Hay-			
1983	---	2,680	Ton	1.60	4,288	---	---
1984	---	3,000	Ton	1.70	5,100	---	---
1985	---	2,950	Ton	1.75	5,163	---	---
1986	---	2,980	Ton	1.60	4,768	---	---
1987	**---**	**3,100**	**Ton**	**1.60**	**4,960**	**---**	**---**

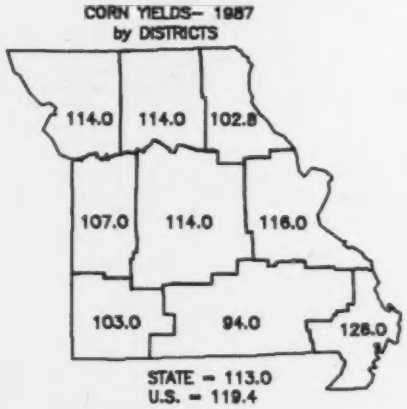
1/ Value is marketing year average price (see page 41).
2/ Rice yield is in pounds; production is in cwt.
3/ Average U.S. price for 1987 marketing year.
4/ Value based on U.S. price.
5/ Tobacco acreage in acres, not thousand acres.

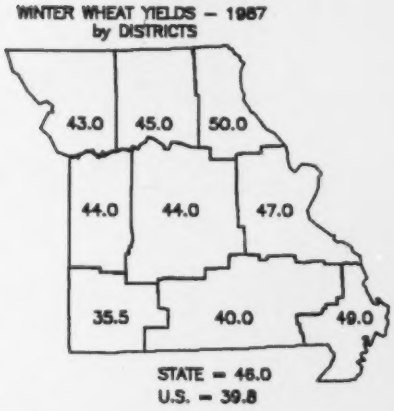
CROP YIELDS BY DISTRICTS

BU/ACRE

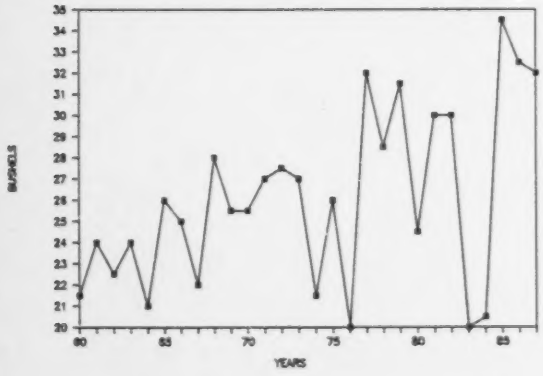




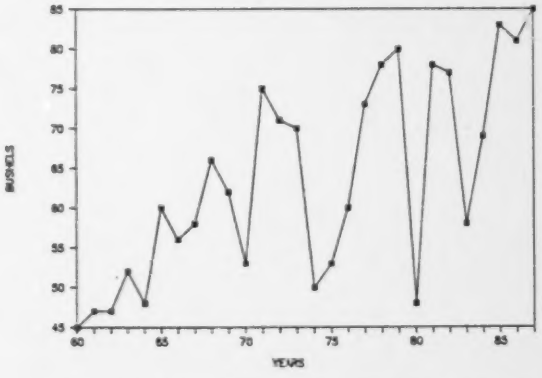




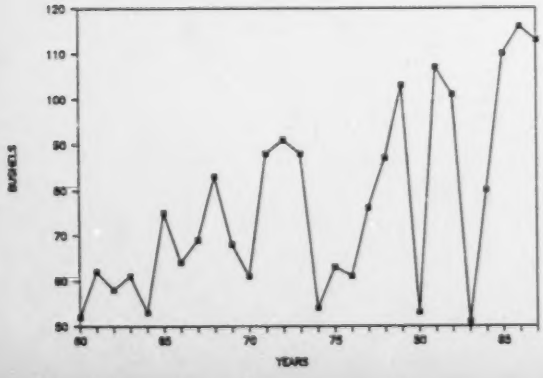
SOYBEANS: STATE YIELD, BUSHELS PER ACRE



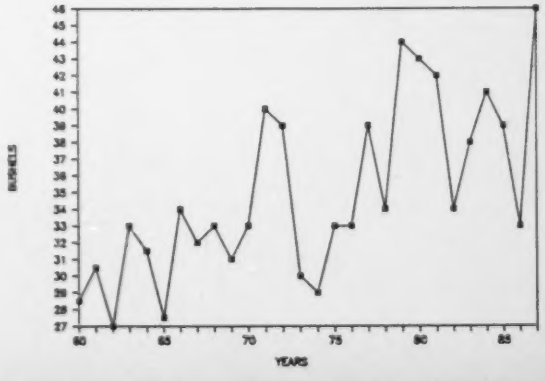
SORGHUM: STATE YIELD, BUSHELS PER ACRE



CORN: STATE YIELD, BUSHELS PER ACRE



WHEAT: STATE YIELD, BUSHELS PER ACRE



SOYBEAN PRODUCTION,
By Counties, 1987
Top Ten Counties

Chariton.....4,762,000 bu.
Carroll.....4,748,000 bu.
Saline.....4,661,000 bu.
Audrain.....4,514,000 bu.
Nodaway.....4,331,000 bu.
Pemiscot.....4,006,000 bu.
Atchison.....3,775,000 bu.
Holt.....3,762,000 bu.
New Madrid.....3,760,000 bu.
Livingston.....3,617,000 bu.

These top 10 counties represent 27.1% of the State's total production.

SOYBEANS: By Cropping Practice, Missouri, 1986-87

Cropping Practice	Planted Acres		Harvested Acres		Yield		Production	
	1986	1987	1986	1987	1986	1987	1986	1987
	-thousands-				-bushels/A-		-thous. bu.-	
Single-Crop								
In Rows	4,045	3,530	3,885	3,485	33.0	32.4	128,240	112,900
Drilled or Broadcast	1,125	990	1,095	975	32.0	34.8	35,050	33,920
All Single-Crop	5,170	4,520	4,980	4,460	32.8	32.9	163,290	146,820
Double-Crop								
In Rows	227	283	219	275	27.7	21.6	6,060	5,930
Drilled or Broadcast	53	97	51	95	25.0	19.1	1,275	1,810
All Double-Crop	280	380	270	370	27.2	20.9	7,335	7,740
All Soybeans in Rows	4,272	3,813	4,104	3,760	32.7	31.6	134,300	118,830
All Drilled or Broadcast	1,178	1,087	1,146	1,070	31.7	33.4	36,325	35,730
Total All Soybeans	**5,450**	**4,900**	**5,250**	**4,830**	**32.5**	**32.0**	**170,625**	**154,560**

SINGLE AND DOUBLE CROP SOYBEANS: Acreage, Yield and Production, By Districts, Missouri, 1986-87

District	Single Crop						Double Crop					
	Acres Harvested		Yield		Production		Acres Harvested		Yield		Production	
	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987
	-thous-		-bu-		-thous bu-		-thous-		-bu-		-thous bu-	
NW	1,098	975	37.3	36.5	41,002	35,554	6	14	26.3	23.2	158	325
NC	929	819	32.0	35.1	29,765	28,797	3	8	19.7	21.0	59	168
NE	895	765	30.6	31.3	27,347	23,909	5	12	20.6	14.8	103	178
WC	467	440	34.7	33.6	16,217	14,781	14	18	27.0	18.5	378	333
C	440	440	36.7	35.0	16,155	15,408	9	14	26.0	18.2	234	255
EC	191	238	32.4	32.6	6,186	7,759	19	17	22.6	16.1	429	274
SW	140	130	24.9	29.6	3,487	3,848	42	26	23.1	23.0	972	598
SC	32	29	24.7	24.9	791	723	3	3	22.3	20.3	67	61
SE	788	624	28.4	25.7	22,340	16,061	169	258	29.2	21.5	4,935	5,548
STATE	**4,980**	**4,460**	**32.8**	**32.9**	**163,290**	**146,820**	**270**	**370**	**27.2**	**20.9**	**7,335**	**7,740**

SOYBEANS: Distribution Percentage by Row Width, Missouri, 1983-87 1/

Year	Number of Samples	Row Width (inches)					Average Row Width
		10.0 & Less	10.1-18.5	18.6-28.5	28.6-34.5	34.6 & Greater	
		-percent of plots-					-inches-
1983	153	26.5	8.5	4.9	38.6	21.6	26.1
1984	155	28.7	5.5	6.5	41.6	17.7	25.0
1985	144	25.7	4.5	5.2	47.2	17.4	25.7
1986	140	15.4	2.9	6.1	54.5	21.1	27.6
1987	**148**	**20.6**	**8.4**	**7.1**	**44.3**	**19.6**	**25.9**

1/ Based on Soybean Objective Yield Survey.
Data reflects trends in cropping practices, but are not official National Agricultural Statistics Board estimates.

SOYBEANS: Varieties By Districts, Missouri, 1987

Variety	NW	NC	NE	WC	C	EC	SW	SC	SE	STATE
	-percent-									
Public Varieties										
Williams	48.6	44.5	62.4	48.8	50.2	50.9	2.7	---	0.4	40.1
Forrest	---	---	---	---	---	---	---	---	7.8	1.4
Pella	3.9	2.0	0.6	---	---	---	---	---	---	1.3
Essex	---	---	---	1.7	0.2	6.3	56.2	19.0	2.6	3.0
Others	4.0	2.5	4.7	6.7	4.1	3.0	29.7	8.6	12.6	6.4
Private Varieties										
Asgrow	13.7	18.0	15.9	3.2	5.3	16.0	7.6	65.5	67.2	22.9
Coker	0.5	1.7	2.3	8.5	11.8	7.9	---	---	7.7	4.4
Pioneer	4.3	4.4	4.0	3.4	2.6	3.4	1.0	6.9	0.7	3.3
DeKalb	2.1	6.1	1.4	2.0	6.7	2.0	---	---	---	2.6
Merschman	1.4	6.1	3.1	8.9	8.5	3.6	2.5	---	---	3.7
Others	21.5	14.7	5.6	16.8	10.6	6.9	0.3	---	1.0	10.9

SOYBEANS:

Acreage, Yield, Production and Value, by Counties, Missouri, 1986–87

County	1986				1987			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
ADAIR	53,200	31.9	1,695,000	7,693.0	45,600	30.3	1,381,000	7,499.0
ANDREW	73,900	36.9	2,727,000	12,380.0	64,400	37.8	2,435,000	13,212.0
ATCHISON	111,500	43.3	4,827,000	21,915.0	99,600	37.9	3,775,000	20,483.0
AUDRAIN	169,000	32.5	5,496,000	25,611.0	146,000	30.9	4,514,000	25,098.0
BARRY	3,200	20.1	64,200	288.9	2,800	26.2	73,300	397.3
BARTON	88,800	28.2	2,500,000	11,250.0	75,100	31.4	2,356,000	12,770.0
BATES	73,500	32.9	2,417,000	11,046.0	76,900	32.0	2,461,000	13,412.0
BENTON	16,500	38.5	636,000	2,913.0	17,300	38.6	667,000	3,655.0
BOLLINGER	15,200	23.2	353,000	1,645.0	14,000	23.6	331,000	1,840.0
BOONE	49,900	31.7	1,583,000	7,250.0	50,100	31.1	1,558,000	8,538.0
BUCHANAN	53,400	39.7	2,120,000	9,625.0	50,900	37.0	1,884,000	10,223.0
BUTLER	73,700	25.9	1,907,000	9,115.0	68,100	27.7	1,889,000	10,730.0
CALDWELL	62,700	32.0	2,006,000	9,107.0	54,900	32.0	1,758,000	9,539.0
CALLAWAY	50,400	34.2	1,725,000	7,901.0	48,400	33.5	1,621,000	8,883.0
CAMDEN *								
CAPE GIRARDEAU	45,600	30.6	1,394,000	6,663.0	44,100	27.3	1,206,000	6,850.0
CARROLL	155,000	34.0	5,263,000	23,888.0	140,000	33.9	4,748,000	25,781.0
CARTER *								
CASS	70,200	36.3	2,546,000	11,635.0	63,100	34.0	2,146,000	11,696.0
CEDAR	6,600	24.5	162,000	740.0	5,900	28.6	169,000	921.0
CHARITON	147,000	34.3	5,035,000	22,853.0	131,500	36.2	4,762,000	25,858.0
CHRISTIAN *								
CLARK	79,700	31.5	2,511,000	11,701.0	68,000	28.8	1,961,000	10,903.0
CLAY	27,500	38.0	1,045,000	4,744.0	25,900	35.7	925,000	5,019.0
CLINTON	49,700	37.4	1,858,000	8,435.0	44,800	35.2	1,577,000	8,557.0
COLE	2,800	31.2	87,400	400.4	6,300	33.3	210,000	1,151.0
COOPER	57,800	36.4	2,105,000	9,641.0	55,900	31.3	1,749,000	9,584.0
CRAWFORD *								
DADE	24,500	22.5	551,000	2,480.0	21,300	28.6	610,000	3,306.0
DALLAS *								
DAVIESS	101,000	36.0	3,635,000	16,503.0	93,400	38.0	3,549,000	19,257.0
DEKALB	53,200	34.8	1,851,000	8,404.0	45,700	34.9	1,595,000	8,655.0
DENT	1,000	26.5	26,500	123.4	950	29.2	27,700	154.1
DOUGLAS *								
DUNKLIN	116,500	23.8	2,770,000	13,241.0	103,500	19.9	2,061,000	11,706.0
FRANKLIN	10,200	31.1	317,000	1,490.0	14,800	28.2	417,000	2,331.0
GASCONADE	4,100	29.8	122,000	573.3	5,300	26.2	139,000	777.3
GENTRY	68,500	38.6	2,644,000	12,004.0	59,500	41.4	2,463,000	13,364.0
GREENE	1,400	24.0	33,600	151.2	1,300	25.2	32,700	177.3
GRUNDY	91,500	31.2	2,851,000	12,940.0	80,600	36.8	2,967,000	16,111.0
HARRISON	79,400	33.2	2,636,000	11,967.0	71,100	36.3	2,581,000	14,005.0
HENRY	44,300	33.3	1,474,000	6,736.0	41,800	34.5	1,443,000	7,864.0
HICKORY	1,100	29.3	32,200	147.5	1,300	32.8	42,700	234.0
HOLT	109,000	37.1	4,043,000	18,355.0	99,000	38.0	3,762,000	20,413.0
HOWARD	40,200	36.6	1,472,000	6,742.0	39,600	34.9	1,381,000	7,568.0
HOWELL *								
IRON *								
JACKSON	37,300	37.1	1,383,000	6,320.0	35,700	34.0	1,214,000	6,616.0
JASPER	41,400	20.7	856,000	3,852.0	36,400	25.1	912,000	4,943.0
JEFFERSON	7,400	28.5	211,000	991.6	7,300	26.8	196,000	1,096.0
JOHNSON	52,900	35.0	1,850,000	8,455.0	52,800	34.8	1,835,000	10,001.0
KNOX	87,100	32.3	2,814,000	13,113.0	74,100	28.4	2,107,000	11,715.0
LACLEDE *	550	22.5	12,400	56.8				
LAFAYETTE	96,200	39.0	3,749,000	17,133.0	87,300	33.8	2,951,000	16,083.0
LAWRENCE	10,500	19.2	202,000	909.0	8,900	24.7	220,000	1,192.0
LEWIS	81,900	29.8	2,442,000	11,380.0	71,500	33.3	2,383,000	13,249.0
LINCOLN	46,900	30.1	1,413,000	6,641.0	46,800	29.0	1,358,000	7,591.0
LINN	81,800	30.6	2,499,000	11,343.0	75,300	36.0	2,712,000	14,726.0
LIVINGSTON	112,000	31.6	3,534,000	16,040.0	101,000	35.8	3,617,000	19,640.0
MCDONALD *								

SOYBEANS:

Acreage, Yield, Production and Value, by Counties, Missouri, 1986–87

County	1986				1987			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
MACON	98,500	29.2	2,872,000	13,036.0	84,800	33.8	2,867,000	15,568.0
MADISON	700	32.1	22,500	104.8	600	25.2	15,100	84.0
MARIES	950	25.5	24,200	110.9	1,100	33.8	37,200	203.9
MARION	64,500	30.8	1,988,000	9,264.0	55,900	35.2	1,969,000	10,948.0
MERCER	39,300	35.3	1,389,000	6,305.0	34,600	36.3	1,256,000	6,820.0
MILLER	1,700	31.2	53,100	243.2	2,000	32.7	65,400	358.4
MISSISSIPPI	143,000	34.4	4,914,000	23,489.0	130,000	25.1	3,269,000	18,511.0
MONITEAU	11,400	32.7	373,000	1,708.0	14,900	28.0	417,000	2,285.0
MONROE	98,500	27.5	2,710,000	12,629.0	84,900	29.6	2,516,000	13,989.0
MONTGOMERY	56,500	31.5	1,781,000	8,371.0	53,300	29.9	1,595,000	8,916.0
MORGAN	10,400	32.7	340,000	1,557.0	10,000	36.4	364,000	1,995.0
NEW MADRID	178,000	27.0	4,802,000	22,954.0	161,500	23.3	3,760,000	21,357.0
NEWTON	11,300	20.7	234,000	1,053.0	9,400	23.6	222,000	1,203.0
NODAWAY	143,000	38.2	5,461,000	24,793.0	123,000	35.2	4,331,000	23,500.0
OREGON *								
OSAGE	2,500	30.5	76,300	349.5	6,000	32.3	194,000	1,063.0
OZARK *								
PEMISCOT	163,500	25.5	4,165,000	19,909.0	155,500	25.8	4,006,000	22,754.0
PERRY	24,900	35.5	884,000	4,155.0	26,300	31.7	834,000	4,662.0
PETTIS	74,200	36.8	2,731,000	12,508.0	76,400	32.9	2,512,000	13,766.0
PHELPS	800	26.4	21,100	96.7	800	29.9	23,900	131.0
PIKE	76,000	29.9	2,274,000	10,597.0	65,900	29.1	1,920,000	10,675.0
PLATTE	49,000	35.6	1,744,000	7,918.0	44,700	35.1	1,569,000	8,514.0
POLK	3,100	27.2	84,400	386.6	3,100	32.9	102,000	559.0
PULASKI	650	24.6	16,000	73.3	700	32.4	22,700	124.4
PUTNAM	27,900	32.5	908,000	4,121.0	23,200	37.8	877,000	4,762.0
RALLS	80,100	28.8	2,308,000	10,755.0	69,400	31.6	2,195,000	12,204.0
RANDOLPH	55,100	29.5	1,623,000	7,367.0	47,500	33.7	1,601,000	8,693.0
RAY	93,600	38.1	3,565,000	16,185.0	87,300	31.5	2,752,000	14,933.0
REYNOLDS *								
RIPLEY	10,900	24.0	262,000	1,221.0	10,000	25.0	250,000	1,390.0
ST CHARLES	28,600	34.3	982,000	4,615.0	57,600	36.3	2,092,000	11,694.0
ST CLAIR	21,100	28.9	609,000	2,783.0	21,200	33.8	716,000	3,902.0
ST FRANCOIS	1,100	29.4	32,300	151.8	1,200	32.2	38,600	215.9
ST LOUIS	8,600	24.9	214,000	1,006.0	13,300	29.5	392,000	2,191.0
STE GENEVIEVE	5,400	31.9	172,000	808.4	6,600	35.2	232,000	1,297.0
SALINE	123,500	40.5	5,004,000	22,918.0	119,000	39.2	4,661,000	25,542.0
SCHUYLER	24,900	30.4	756,000	3,431.0	20,700	34.7	718,000	3,899.0
SCOTLAND	61,700	30.8	1,901,000	8,859.0	52,500	26.2	1,378,000	7,662.0
SCOTT	83,200	31.1	2,585,000	12,356.0	79,300	24.4	1,933,000	10,979.0
SHANNON *								
SHELBY	101,500	29.6	3,006,000	14,008.0	88,800	35.4	3,144,000	17,481.0
STODDARD	153,500	30.9	4,738,000	22,648.0	140,000	25.0	3,495,000	19,852.0
STONE *								
SULLIVAN	45,800	30.5	1,399,000	6,350.0	42,200	34.1	1,439,000	7,814.0
TANEY *								
TEXAS *								
VERNON	78,900	30.5	2,405,000	10,991.0	73,300	29.7	2,179,000	11,876.0
WARREN	15,600	30.0	468,000	2,200.0	21,700	33.0	716,000	4,002.0
WASHINGTON *								
WAYNE	5,900	28.0	165,000	768.7	5,400	25.0	135,000	750.8
WEBSTER *								
WORTH	28,600	34.9	998,000	4,531.0	24,800	37.2	923,000	5,008.0
WRIGHT *								
ALL OTHER	3,450	22.8	78,800	364.0	3,750	27.7	103,700	571.6
DISTRICTS								
NORTHWEST	1,104,000	37.3	41,160,000	186,866.0	989,000	36.3	35,879,000	194,682.0
NORTH CENTRAL	932,000	32.0	29,824,000	135,367.0	827,000	35.0	28,945,000	157,171.0
NORTHEAST	900,000	30.5	27,450,000	127,917.0	777,000	31.0	24,087,000	133,924.0
WEST CENTRAL	481,000	34.5	16,595,000	75,839.0	458,000	33.0	15,114,000	82,371.0
CENTRAL	449,000	36.5	16,389,000	75,062.0	454,000	34.5	15,663,000	85,833.0
EAST CENTRAL	210,000	31.5	6,615,000	31,091.0	255,000	31.5	8,033,000	44,904.0
SOUTHWEST	182,000	24.5	4,459,000	20,066.0	156,000	28.5	4,446,000	24,097.0
SOUTH CENTRAL	35,000	24.5	858,000	3,998.0	32,000	24.5	784,000	4,359.0
SOUTHEAST	957,000	28.5	27,275,000	130,375.0	882,000	24.5	21,609,000	122,739.0
STATE	**5,250,000**	**32.5**	**170,625,000**	**786,581.0**	**4,830,000**	**32.0**	**154,560,000**	**850,080.0**

*Included in all other.

CORN:

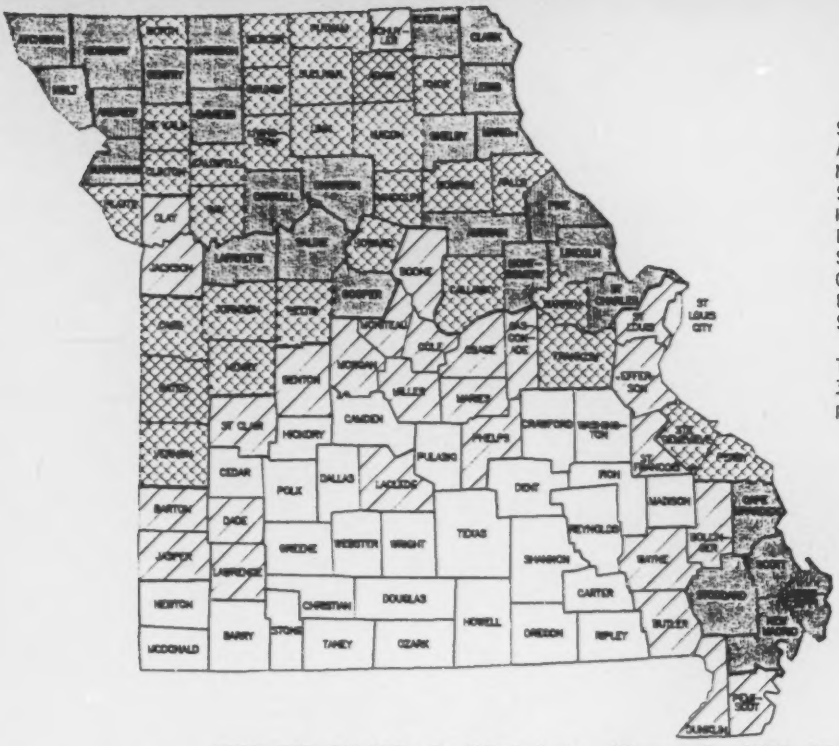
Acreage, Yield, Production and Value, by Counties, Missouri, 1986–87

County	1986				1987			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
ADAIR	21,500	111.1	2,389,000	3,220.0	17,800	102.0	1,815,000	2,959.0
ANDREW	43,900	115.9	5,089,000	7,328.0	37,900	109.9	4,165,000	6,904.0
ATCHISON	114,000	139.0	15,846,000	22,818.0	95,800	123.5	11,830,000	19,608.0
AUDRAIN	45,100	118.9	5,363,000	7,562.0	41,300	118.5	4,894,000	8,271.0
BARRY	900	74.0	66,600	108.6	850	88.5	75,200	139.0
BARTON	6,900	117.9	813,500	1,326.0	7,000	119.6	837,000	1,549.0
BATES	28,000	93.1	2,607,000	3,780.0	25,100	96.0	2,410,000	4,049.0
BENTON	5,700	103.3	589,000	854.1	6,200	106.1	658,000	1,092.0
BOLLINGER	8,500	80.5	684,000	1,094.0	7,600	103.6	787,000	1,448.0
BOONE	14,100	100.5	1,417,000	2,055.0	13,400	108.9	1,459,000	2,422.0
BUCHANAN	38,300	135.3	5,182,000	7,462.0	33,000	120.5	3,976,000	6,590.0
BUTLER	7,800	109.1	851,000	1,353.0	7,900	110.0	869,000	1,616.0
CALDWELL	22,200	107.5	2,387,000	3,437.0	19,800	108.3	2,144,000	3,554.0
CALLAWAY	16,500	112.6	1,858,000	2,694.0	15,900	108.8	1,730,000	2,872.0
CAMDEN	600	82.0	49,200	71.3	600	81.8	49,100	81.5
CAPE GIRARDEAU	43,400	81.2	3,525,000	5,605.0	41,400	106.8	4,422,000	8,225.0
CARROLL	54,200	129.3	7,010,000	9,449.0	45,300	115.9	5,252,000	8,561.0
CARTER	150	65.3	9,800	15.7	150	64.0	9,600	17.7
CASS	23,700	101.5	2,406,000	3,489.0	22,800	99.4	2,266,000	3,807.0
CEDAR	1,000	76.0	76,000	110.3	900	75.6	68,000	114.0
CHARITON	60,000	128.0	7,681,000	10,354.0	50,000	128.6	6,430,000	10,481.0
CHRISTIAN	700	64.4	45,100	73.5	600	90.8	54,500	100.8
CLARK	55,700	117.2	6,527,000	9,203.0	46,300	88.8	4,113,000	6,951.0
CLAY	8,900	121.7	1,083,000	1,560.0	8,700	115.7	1,007,000	1,669.0
CLINTON	29,500	123.8	3,651,000	5,258.0	25,100	112.7	2,829,000	4,689.0
COLE	4,600	104.8	482,000	698.9	5,900	106.6	629,000	1,044.0
COOPER	35,100	107.1	3,759,000	5,451.0	32,400	106.9	3,464,000	5,750.0
CRAWFORD	1,000	64.0	64,000	97.9	1,000	77.0	77,000	134.8
DADE	1,400	89.3	125,000	203.8	1,400	91.4	128,000	236.7
DALLAS	200	68.0	13,600	19.7	150	72.7	10,900	18.1
DAVIESS	31,800	119.2	3,789,000	5,456.0	27,700	110.6	3,064,000	5,079.0
DEKALB	30,600	114.6	3,507,000	5,050.0	26,600	110.5	2,939,000	4,872.0
DENT	750	78.0	58,500	93.6	650	84.3	54,800	100.8
DOUGLAS	150	66.0	9,900	15.9	100	75.0	7,500	13.8
DUNKLIN	5,400	87.0	470,000	747.0	5,100	110.8	565,000	1,051.0
FRANKLIN	21,800	89.2	1,945,000	2,976.0	22,700	97.0	2,202,000	3,853.0
GASCONADE	9,100	80.4	732,000	1,120.0	9,300	86.9	808,000	1,414.0
GENTRY	35,900	116.5	4,183,000	6,024.0	31,300	110.1	3,446,000	5,712.0
GREENE	1,300	69.0	89,700	146.3	1,200	71.2	85,400	158.0
GRUNDY	20,200	120.6	2,436,000	3,284.0	18,300	111.5	2,040,000	3,325.0
HARRISON	55,300	113.6	6,282,000	9,046.0	41,800	113.0	4,724,000	7,830.0
HENRY	16,700	93.9	1,568,000	2,274.0	16,800	103.8	1,743,000	2,928.0
HICKORY	1,100	76.4	84,000	121.8	950	84.4	80,200	133.2
HOLT	85,000	126.2	10,728,000	15,448.0	66,800	117.0	7,816,000	12,955.0
HOWARD	28,600	118.0	3,376,000	4,895.0	24,800	110.2	2,733,000	4,537.0
HOWELL	300	80.0	24,000	38.4	300	85.0	25,500	46.9
IRON	150	65.3	9,800	15.7	150	76.0	11,400	21.0
JACKSON	12,900	126.7	1,634,000	2,369.0	12,900	101.3	1,307,000	2,196.0
JASPER	2,400	97.9	235,000	383.1	2,500	105.6	264,000	488.3
JEFFERSON	2,900	84.1	244,000	373.3	3,100	91.9	285,000	498.8
JOHNSON	26,400	102.6	2,709,000	3,928.0	26,600	109.4	2,911,000	4,891.0
KNOX	34,700	123.7	4,294,000	6,055.0	29,200	87.9	2,567,000	4,338.0
LACLEDE	1,500	75.3	113,000	163.9	1,500	84.7	127,000	210.9
LAFAYETTE	73,200	121.9	8,923,000	12,938.0	64,500	117.6	7,583,000	12,739.0
LAWRENCE	1,600	64.4	103,000	167.9	1,600	88.8	142,000	262.7
LEWIS	46,400	114.2	5,297,000	7,469.0	39,600	116.3	4,605,000	7,783.0
LINCOLN	50,300	114.8	5,774,000	8,834.0	46,400	118.7	5,506,000	9,635.0
LINN	22,600	118.8	2,686,000	3,621.0	19,300	119.7	2,310,000	3,765.0
LIVINGSTON	15,000	122.3	1,834,000	2,472.0	12,900	121.2	1,564,000	2,549.0
MCDONALD	200	65.5	13,100	21.4	250	64.0	16,000	29.6

CORN:

Acreage, Yield, Production and Value, by Counties, Missouri, 1986–87

County	1986				1987			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
MACON	30,900	113.2	3,499,000	4,717.0	26,000	104.9	2,728,000	4,447.0
MADISON	800	94.0	75,200	120.4	750	94.9	71,200	131.0
MARIES	2,600	79.2	206,000	298.7	2,700	85.2	230,000	381.9
MARION	35,700	129.0	4,607,000	6,496.0	31,500	115.5	3,638,000	6,148.0
MERCER	27,300	114.5	3,127,000	4,215.0	22,600	105.7	2,388,000	3,892.0
MILLER	3,100	89.0	276,000	400.2	3,100	89.0	276,000	458.2
MISSISSIPPI	42,500	131.4	5,586,000	8,882.0	39,700	121.5	4,824,000	8,973.0
MONITEAU	8,800	93.2	820,000	1,189.0	8,800	102.0	898,000	1,491.0
MONROE	24,100	108.8	2,623,000	3,698.0	22,200	98.0	2,176,000	3,677.0
MONTGOMERY	33,300	120.5	4,011,000	6,137.0	31,000	124.7	3,865,000	6,764.0
MORGAN	5,100	80.4	410,000	594.5	4,900	96.1	471,000	782.0
NEW MADRID	31,800	119.1	3,787,000	6,021.0	29,000	135.9	3,940,000	7,328.0
NEWTON	500	77.0	38,500	62.8	500	77.6	38,800	71.8
NODAWAY	121,000	118.2	14,300,000	20,592.0	101,500	109.7	11,135,000	18,456.0
OREGON	100	80.0	8,000	12.8	100	80.0	8,000	14.7
OSAGE	8,300	97.5	809,000	1,173.0	8,600	107.1	921,000	1,529.0
OZARK	100	66.0	6,600	10.6	150	76.0	11,400	21.0
PEMISCOT	11,600	93.2	1,081,000	1,719.0	10,300	125.9	1,297,000	2,413.0
PERRY	27,800	92.6	2,573,000	3,937.0	26,500	110.9	2,939,000	5,143.0
PETTIS	29,800	104.7	3,120,000	4,524.0	27,200	102.9	2,799,000	4,646.0
PHELPS	2,700	72.2	195,000	282.8	2,400	92.1	221,000	366.9
PIKE	49,400	113.4	5,600,000	7,896.0	45,000	101.4	4,563,000	7,712.0
PLATTE	23,100	126.7	2,927,000	4,215.0	18,400	109.8	2,020,000	3,348.0
POLK	1,100	68.3	75,100	108.9	1,100	72.5	79,800	132.5
PULASKI	1,000	78.1	78,100	113.2	1,000	80.0	80,000	132.8
PUTNAM	21,000	104.5	2,194,000	2,957.0	16,000	108.2	1,731,000	2,822.0
RALLS	24,000	103.5	2,484,000	3,502.0	21,300	100.5	2,141,000	3,618.0
RANDOLPH	15,800	109.7	1,733,000	2,336.0	14,000	110.4	1,546,000	2,520.0
RAY	30,000	127.4	3,823,000	5,505.0	26,100	108.2	2,824,000	4,681.0
REYNOLDS	450	64.9	29,200	46.8	450	78.0	35,100	64.6
RIPLEY	200	70.0	14,000	22.4	200	77.0	15,400	28.3
ST CHARLES	41,000	132.9	5,449,000	8,337.0	41,900	129.5	5,426,000	9,496.0
ST CLAIR	4,900	74.1	363,000	526.7	4,800	104.8	503,000	845.0
ST FRANCOIS	4,100	84.9	348,000	532.4	4,100	89.0	365,000	638.8
ST LOUIS	4,400	118.9	523,000	800.0	4,600	120.0	552,000	966.1
STE GENEVIEVE	13,800	97.2	1,341,000	2,052.0	13,900	116.5	1,620,000	2,835.0
SALINE	102,500	128.0	13,119,000	19,022.0	92,400	130.3	12,040,000	19,986.0
SCHUYLER	16,300	97.1	1,583,000	2,134.0	12,600	104.2	1,313,000	2,140.0
SCOTLAND	48,300	107.0	5,169,000	7,288.0	38,700	78.9	3,053,000	5,160.0
SCOTT	47,700	110.5	5,272,000	8,382.0	50,100	133.0	6,663,000	12,393.0
SHANNON	200	65.0	13,000	20.8	150	74.0	11,100	20.4
SHELBY	34,600	133.0	4,602,000	6,489.0	30,900	123.8	3,825,000	6,464.0
STODDARD	72,800	122.0	8,884,000	14,126.0	71,500	133.6	9,550,000	17,763.0
STONE	100	65.0	6,500	10.6	100	71.0	7,100	13.1
SULLIVAN	21,200	108.3	2,296,000	3,095.0	17,200	109.9	1,891,000	3,082.0
TANEY	50	66.0	3,300	5.3	50	70.0	3,500	6.4
TEXAS	550	60.0	33,000	52.8	550	79.8	43,900	80.7
VERNON	20,200	82.0	1,656,000	2,401.0	16,600	99.2	1,646,000	2,765.0
WARREN	22,000	123.4	2,715,000	4,154.0	20,900	120.8	2,525,000	4,419.0
WASHINGTON	500	66.0	33,000	50.4	600	76.7	46,000	80.5
WAYNE	1,600	78.8	126,000	201.6	1,600	86.3	138,000	253.8
WEBSTER	550	70.0	38,500	61.6	700	80.0	56,000	103.0
WORTH	20,500	107.5	2,204,000	3,174.0	15,500	112.6	1,745,000	2,892.0
WRIGHT	400	68.0	27,200	43.6	350	76.0	26,600	48.9
DISTRICTS								
NORTHWEST	690,000	123.2	84,981,000	122,373.0	576,000	114.0	65,664,000	108,839.0
NORTH CENTRAL	326,000	118.0	38,468,000	51,854.0	272,000	114.0	31,008,000	50,543.0
NORTHEAST	398,000	117.0	46,566,000	65,658.0	346,000	102.8	35,575,000	60,122.0
WEST CENTRAL	207,000	106.0	21,942,000	31,816.0	191,000	107.0	20,437,000	34,334.0
CENTRAL	273,000	113.0	30,849,000	44,731.0	254,000	114.0	28,956,000	48,067.0
EAST CENTRAL	232,000	111.0	25,752,000	39,401.0	226,000	116.0	26,216,000	45,878.0
SOUTHWEST	16,000	96.0	1,536,000	2,504.0	16,000	103.0	1,648,000	3,049.0
SOUTH CENTRAL	15,000	78.0	1,170,000	1,872.0	14,000	94.0	1,316,000	2,421.0
SOUTHEAST	263,000	112.0	29,456,000	46,835.0	255,000	126.0	32,130,000	59,762.0
STATE	**2,420,000**	**116.0**	**280,720,000**	**407,044.0**	**2,150,000**	**113.0**	**242,950,000**	**413,015.0**



CORN FOR GRAIN, PRODUCTION
By Counties, 1987
Top Ten Counties

Saline.....12,040,000 bu.
Atchison.....11,830,000 bu.
Nodaway.....11,135,000 bu.
Stoddard..... 9,550,000 bu.
Holt..... 7,816,000 bu.
Lafayette..... 7,583,000 bu.
Scott..... 6,663,000 bu.
Chariton..... 6,430,000 bu.
Lincoln..... 5,506,000 bu.
St. Charles..... 5,426,000 bu.

These top 10 counties represent 34.6% of the State's total production.

3,000,000 bu. and Above
1,500,000 – 2,999,999 bu.
100,000 – 1,499,999 bu.
Under 100,000 bu.

CORN FOR SILAGE: By Districts, Missouri, 1986-87

District	1986			1987		
	Harvested Acres	Yield	Production	Harvested Acres	Yield	Production
	-thous-	-tons-	-thous tons-	-thous-	-tons-	-thous tons-
Northwest	11	14.5	160	13	14.6	190
North Central	12	14.8	177	13	13.9	181
Northeast	13	13.7	178	11	13.9	153
West Central	9	13.9	125	10	15.2	152
Central	13	12.5	162	15	13.0	195
East Central	11	14.6	161	9	16.3	147
Southwest	4	10.0	40	3.5	11.4	40
South Central	4	9.5	38	3.5	10.6	37
Southeast	3	13.0	39	2	12.5	25
State	**80**	**13.5**	**1,080**	**80**	**14.0**	**1,120**

CORN FOR GRAIN: Distribution Percentage by Row Width, Missouri, 1983-87 1/

Year	Number of Samples	Row Width (inches)							
		30.5 & Less	30.6-32.5	32.6-34.5	34.6-36.5	36.6-38.5	38.6-40.5	40.6 & Greater	Average Row Width
		-percent of samples							-inches-
1983	113	38.9	14.2	0.9	6.2	27.4	11.5	0.9	33.8
1984	122	28.7	14.7	0.8	13.9	27.1	11.5	3.3	34.5
1985	129	38.0	19.4	3.1	11.6	18.6	9.3	0.0	33.2
1986	127	32.3	19.7	1.6	10.2	25.2	11.0	0.0	33.8
1987	**121**	**33.1**	**20.7**	**0.0**	**14.9**	**25.6**	**5.8**	**0.0**	**33.6**

1/ Based on Corn Objective Yield Survey.
Data reflects trends in cropping practices, but are not official National Agricultural Statistics Board estimates.

WHEAT PRODUCTION,
By Counties, 1987
Top Ten Counties

Stoddard.....2,730,000 bu.
New Madrid.....2,110,000 bu.
Pemiscot.....1,860,000 bu.
Scott.....1,806,000 bu.
Dunklin.....1,687,000 bu.
Mississippi.....1,364,000 bu.
Audrain.....1,164,000 bu.
Barton.....938,000 bu.
Montgomery.....924,000 bu.
Butler.....904,000 bu.

These top 10 counties represent 43.7% of the State's total production.

400,000 bu. and Above
150,000 - 399,999 bu.
50,000 - 149,999 bu.
Under 50,000 bu.

WHEAT: Varieties By Districts, Missouri, 1987 Crop

Class & Variety	NW	NC	NE	WC	C	EC	SW	SC	SE	STATE
					-percent-					
Hard Red Winter										
Total hard	17.3	---	---	---	---	---	---	---	---	**1.3**
Soft Red Winter										
Caldwell	68.2	64.6	74.9	44.1	48.5	64.6	52.0	45.6	66.3	**61.7**
Pioneer 1/	5.9	3.3	2.7	15.1	13.0	3.9	20.7	---	0.3	**6.0**
Pike	---	---	---	---	6.2	---	2.1	---	0.2	**1.0**
Arthur 71	---	4.7	2.6	6.9	6.3	5.2	11.7	19.7	5.9	**6.0**
Coker 1/	---	---	1.8	9.8	3.5	---	---	28.2	23.6	**10.1**
Hart	5.8	0.5	1.7	19.5	6.0	6.6	0.7	6.5	1.3	**4.0**
McNair 1003 1/	---	14.8	2.1	---	---	---	4.5	---	0.9	**1.7**
Hunter 1/	1.5	0.5	1.5	---	---	19.2	8.3	---	---	**3.4**
Rosen	1.3	---	5.2	---	12.5	---	---	---	---	**2.1**
Other soft	---	11.6	9.6	4.6	4.0	0.5	---	---	1.5	**2.7**
Total soft	82.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	**98.7**

1/ Private company variety.

WHEAT:

Acreage, Yield, Production and Value, by Counties, Missouri, 1986–87

County	1986				1987			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
ADAIR	850	26.1	22,200	50.0	1,400	40.7	57,000	138.5
ANDREW	3,400	22.5	76,500	174.4	4,200	44.0	185,000	457.5
ATCHISON	1,300	32.4	42,100	96.0	1,300	47.5	61,700	152.6
AUDRAIN	3,000	36.0	108,000	256.0	21,500	54.1	1,164,000	2,910.0
BARRY	2,500	30.0	75,000	169.4	1,500	46.5	69,700	175.7
BARTON	33,000	35.0	1,156,000	2,613.0	26,300	35.7	938,000	2,364.0
BATES	4,800	34.2	164,000	378.8	9,300	39.9	371,000	938.6
BENTON	2,000	32.8	65,600	152.7	2,000	39.5	79,000	195.9
BOLLINGER	5,200	34.4	179,000	420.6	5,800	42.2	245,000	619.8
BOONE	3,500	24.9	87,000	202.7	8,200	45.4	372,000	922.6
BUCHANAN	3,400	16.7	56,700	129.3	4,600	40.9	188,000	465.0
BUTLER	12,600	34.3	432,000	1,049.0	17,700	51.1	904,000	2,368.0
CALDWELL	1,200	19.6	23,500	53.6	4,100	44.4	182,000	450.1
CALLAWAY	6,000	28.8	173,000	403.0	11,100	46.9	521,000	1,292.0
CAMDEN	200	25.0	5,000	11.6	150	44.0	6,600	16.4
CAPE GIRARDEAU	13,100	34.3	449,000	1,091.0	14,600	46.0	671,000	1,758.0
CARROLL	1,900	27.0	51,300	115.5	6,700	42.8	287,000	697.4
CARTER	100	30.0	3,000	7.0	150	37.3	5,600	14.2
CASS	1,900	29.0	55,100	127.2	3,700	41.4	153,000	387.0
CEDAR	3,000	28.0	84,000	194.0	1,200	38.3	46,000	116.3
CHARITON	1,600	38.0	60,800	136.9	6,900	52.2	360,000	874.8
CHRISTIAN	550	28.0	15,400	34.7	550	37.8	20,800	52.4
CLARK	1,800	27.9	50,200	119.0	5,400	39.3	212,000	529.9
CLAY	2,800	33.3	93,100	212.3	3,400	44.7	152,000	375.9
CLINTON	1,600	24.5	39,200	89.4	3,300	36.4	120,000	296.8
COLE	3,200	25.4	81,200	189.2	2,400	40.7	97,600	242.0
COOPER	7,300	31.9	233,000	542.9	16,000	43.0	688,000	1,706.0
CRAWFORD	400	21.0	8,400	20.0	300	30.0	9,000	23.1
DADE	13,400	34.5	462,000	1,044.0	9,200	35.1	323,000	814.0
DALLAS	500	35.2	17,600	41.0	400	42.0	16,800	41.7
DAVIESS	2,600	31.3	81,400	185.6	4,100	41.7	171,000	422.9
DEKALB	1,700	24.5	41,700	95.1	3,100	45.2	140,000	346.2
DENT	350	26.9	9,400	22.1	300	39.0	11,700	29.6
DOUGLAS	150	30.0	4,500	10.6	200	37.0	7,400	18.7
DUNKLIN	34,100	34.3	1,169,000	2,840.0	37,400	45.1	1,687,000	4,420.0
FRANKLIN	9,600	32.4	311,000	749.5	9,600	41.1	395,000	1,015.0
GASCONADE	4,600	29.3	135,000	325.4	2,800	42.9	120,000	308.4
GENTRY	3,600	30.6	110,000	250.8	4,200	42.1	177,000	437.8
GREENE	1,400	34.4	48,100	108.7	1,900	44.6	84,700	213.5
GRUNDY	800	36.0	28,800	64.8	2,600	46.5	121,000	294.0
HARRISON	2,400	20.6	49,400	112.6	3,200	41.3	132,000	326.5
HENRY	5,600	30.9	173,000	399.6	5,300	36.2	192,000	485.7
HICKORY	900	20.1	18,100	42.1	800	37.5	30,000	74.4
HOLT	4,000	23.5	94,100	214.5	3,300	43.6	144,000	356.1
HOWARD	4,100	29.8	122,000	284.3	8,400	44.5	374,000	927.5
HOWELL	450	24.9	11,200	26.3	1,200	44.7	53,600	135.6
IRON	50	30.0	1,500	3.5	50	40.0	2,000	5.1
JACKSON	2,000	25.0	50,000	115.5	4,200	48.6	204,000	516.1
JASPER	23,700	26.0	616,000	1,392.0	17,700	33.3	589,000	1,484.0
JEFFERSON	4,500	29.3	132,000	318.1	2,700	37.0	100,000	257.0
JOHNSON	1,800	24.0	43,200	99.8	3,600	43.9	158,000	399.7
KNOX	1,300	39.0	50,700	120.2	6,100	42.8	261,000	652.4
LACLEDE	850	29.9	25,400	59.1	500	43.2	21,600	53.6
LAFAYETTE	3,500	26.2	91,700	211.8	8,800	55.6	489,000	1,237.0
LAWRENCE	5,100	26.9	137,000	309.6	6,700	34.2	229,000	577.1
LEWIS	2,500	29.9	74,800	177.3	7,900	46.5	367,000	917.4
LINCOLN	11,100	34.3	381,000	918.2	16,000	54.7	875,000	2,249.0
LINN	1,100	25.0	27,500	61.9	3,300	41.5	137,000	332.9
LIVINGSTON	1,100	26.0	28,600	64.4	4,200	46.4	195,000	473.8
MCDONALD	600	30.0	18,000	40.6	400	37.3	14,900	37.6

WHEAT:

Acreage, Yield, Production and Value,
by Counties, Missouri, 1986–87

County	1986				1987			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		- thous dol
MACON	1,400	29.0	40,600	91.4	3,600	41.4	149,000	362.0
MADISON	150	34.7	5,200	12.2	200	37.0	7,400	18.7
MARIES	2,300	25.9	59,500	138.6	1,200	30.1	36,100	89.5
MARION	1,300	32.0	41,600	98.6	8,700	48.9	425,000	1,063.0
MERCER	700	30.0	21,000	47.3	1,000	44.4	44,400	107.9
MILLER	1,700	29.4	49,900	116.3	1,400	36.9	51,700	128.2
MISSISSIPPI	23,400	37.2	871,000	2,116.0	29,900	45.6	1,364,000	3,574.0
MONITEAU	2,700	27.9	75,200	175.2	4,900	41.0	201,000	498.5
MONROE	3,700	29.2	108,000	256.0	12,700	44.6	566,000	1,415.0
MONTGOMERY	10,800	35.3	381,000	918.2	17,100	54.0	924,000	2,374.0
MORGAN	2,200	29.0	63,800	148.7	2,500	46.0	115,000	285.2
NEW MADRID	23,500	39.1	920,000	2,235.0	40,500	52.1	2,110,000	5,528.0
NEWTON	6,700	25.1	168,000	379.6	3,700	38.9	144,000	362.9
NODAWAY	2,800	20.6	57,600	131.3	3,200	40.3	129,000	319.0
OREGON	800	33.9	27,100	63.7	1,800	39.1	70,300	177.8
OSAGE	2,900	25.3	73,500	171.3	3,100	43.5	135,000	334.8
OZARK	50	34.0	1,700	4.0	50	38.0	1,900	4.8
PEMISCOT	27,500	37.2	1,023,000	2,485.0	38,300	48.6	1,860,000	4,873.0
PERRY	17,100	39.2	670,000	1,615.0	13,000	41.9	545,000	1,401.0
PETTIS	5,400	26.9	145,000	337.8	10,900	44.0	480,000	1,190.0
PHELPS	650	21.8	14,200	33.1	750	34.9	26,200	65.0
PIKE	2,500	32.9	82,200	194.9	13,600	57.7	785,000	1,962.0
PLATTE	4,000	22.6	90,200	205.6	5,300	46.6	247,000	610.9
POLK	2,200	29.8	65,600	152.8	1,400	42.1	58,900	146.1
PULASKI	200	25.0	5,000	11.6	200	37.5	7,500	18.6
PUTNAM	450	30.0	13,500	30.4	500	44.8	22,400	54.4
RALLS	2,000	29.0	58,000	137.5	10,500	51.3	539,000	1,348.0
RANDOLPH	1,100	36.0	39,600	89.1	3,100	41.0	127,000	308.6
RAY	6,000	28.5	171,000	389.9	6,400	45.2	289,000	714.7
REYNOLDS	150	32.7	4,900	11.5	150	36.0	5,400	13.6
RIPLEY	2,700	34.9	94,300	221.6	2,900	39.0	113,000	285.9
ST CHARLES	13,100	35.3	462,000	1,113.0	13,400	44.9	602,000	1,547.0
ST CLAIR	9,200	25.0	230,000	531.3	4,100	38.0	156,000	394.6
ST FRANCOIS	2,500	38.2	95,600	230.4	1,100	40.2	44,200	113.6
ST LOUIS	5,500	39.1	215,000	518.2	5,200	47.7	248,000	637.5
STE GENEVIEVE	7,000	39.3	275,000	662.8	6,100	43.9	268,000	688.9
SALINE	3,200	23.9	76,400	178.0	10,700	47.7	510,000	1,265.0
SCHUYLER	350	36.0	12,600	28.4	600	42.2	25,300	61.5
SCOTLAND	800	30.0	24,000	56.9	2,200	41.8	92,000	230.0
SCOTT	30,500	37.2	1,135,000	2,757.0	37,900	47.7	1,806,000	4,732.0
SHANNON	100	20.0	2,000	4.7	100	34.0	3,400	8.6
SHELBY	2,100	35.5	74,500	176.6	7,400	52.6	389,000	972.3
STODDARD	37,300	41.1	1,534,000	3,727.0	51,700	52.8	2,730,000	7,153.0
STONE	50	30.0	1,500	3.4	50	38.0	1,900	4.8
SULLIVAN	650	30.0	19,500	43.9	1,100	45.4	49,900	121.2
TANEY	100	33.0	3,300	7.8	100	34.0	3,400	8.6
TEXAS	650	21.1	13,700	32.2	950	39.1	37,100	93.9
VERNON	14,200	28.0	397,000	917.0	9,800	44.0	431,000	1,091.0
WARREN	8,600	29.4	253,000	609.7	7,600	43.6	331,000	850.7
WASHINGTON	200	30.0	6,000	14.5	100	38.0	3,800	9.8
WAYNE	1,300	31.8	41,300	97.1	1,400	34.1	47,800	120.9
WEBSTER	500	33.0	16,500	38.8	400	38.0	15,200	38.4
WORTH	1,200	19.6	23,500	53.6	1,300	36.4	47,300	117.0
WRIGHT	200	22.0	4,400	10.3	250	39.2	9,800	24.8
DISTRICTS								
NORTHWEST	42,000	25.0	1,050,000	2,394.0	55,000	43.0	2,365,000	5,849.0
NORTH CENTRAL	12,000	30.5	366,000	824.0	35,000	45.0	1,575,000	3,827.0
NORTHEAST	21,000	32.0	672,000	1,593.0	96,000	50.0	4,800,000	12,000.0
WEST CENTRAL	46,000	28.0	1,288,000	2,975.0	50,000	44.0	2,200,000	5,566.0
CENTRAL	52,000	28.0	1,456,000	3,392.0	87,000	44.0	3,828,000	9,493.0
EAST CENTRAL	95,000	35.0	3,325,000	8,013.0	95,000	47.0	4,465,000	11,475.0
SOUTHWEST	87,000	31.0	2,697,000	6,095.0	68,000	35.5	2,415,000	6,086.0
SOUTH CENTRAL	13,000	32.5	423,000	994.0	16,000	40.0	640,000	1,619.0
SOUTHEAST	202,000	37.3	7,533,000	18,300.0	268,000	49.0	13,132,000	34,406.0
STATE	**570,000**	**33.0**	**18,810,000**	**44,580.0**	**770,000**	**46.0**	**35,420,000**	**90,321.0**

SORGHUM:

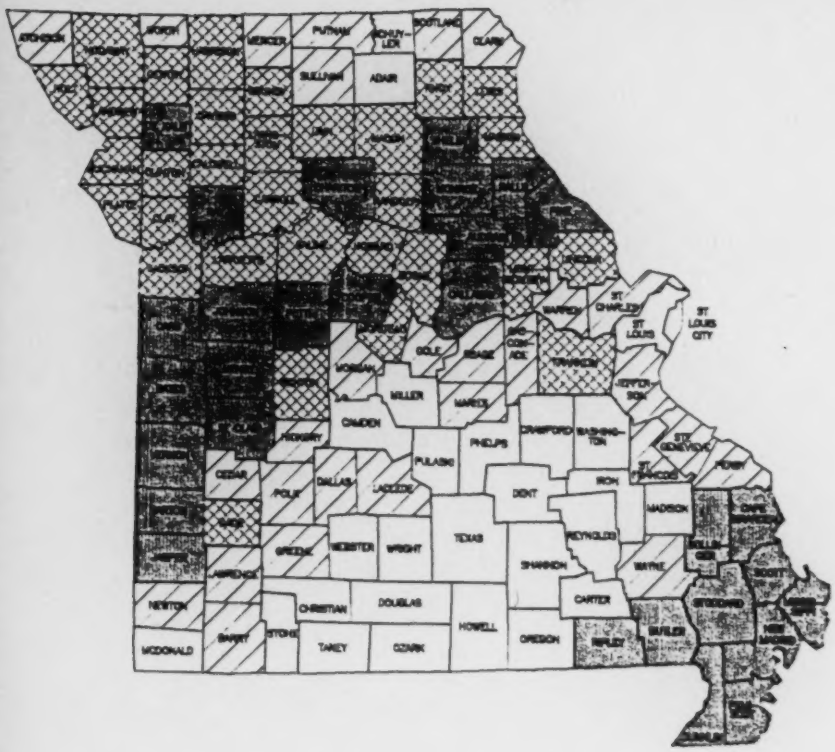
Acreage, Yield, Production and Value,
by Counties, Missouri, 1986–87

County	1986				1987			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
ADAIR	1,900	86.8	165,000	183.2	550	89.1	49,000	66.6
ANDREW	7,600	75.4	573,000	641.7	3,500	89.1	312,000	433.7
ATCHISON	2,700	80.0	216,000	241.9	1,100	81.8	90,000	125.1
AUDRAIN	49,000	101.3	4,962,000	5,409.0	36,000	100.0	3,600,000	5,184.0
BARRY	1,700	50.0	85,000	115.6	1,200	60.0	72,000	113.6
BARTON	31,200	83.8	2,614,000	3,555.0	23,100	83.9	1,937,000	3,058.0
BATES	38,600	83.3	3,215,000	3,633.0	17,900	85.8	1,536,000	2,227.0
BENTON	7,300	97.3	710,000	844.9	3,900	103.1	402,000	562.8
BOLLINGER	11,500	71.8	826,000	1,206.0	7,400	83.5	618,000	957.9
BOONE	8,000	84.4	675,000	803.3	3,800	76.6	291,000	407.4
BUCHANAN	6,600	87.1	575,000	644.0	3,000	86.3	259,000	360.1
BUTLER	32,000	65.2	2,086,000	3,226.0	29,000	58.1	1,685,000	2,747.0
CALDWELL	7,800	82.2	641,000	717.9	3,500	71.4	250,000	347.5
CALLAWAY	15,700	89.3	1,402,000	1668.0	6,900	87.4	603,000	844.2
CAMDEN	300	60.0	18,000	21.4	450	80.0	36,000	50.4
CAPE GIRARDEAU	13,200	66.0	871,000	1,347.0	10,100	72.1	728,000	1,187.0
CARROLL	12,400	92.0	1,141,000	1,266.0	4,900	84.7	415,000	564.4
CARTER	550	63.6	35,000	51.1	350	57.1	20,000	31.0
CASS	20,200	81.3	1,643,000	1,857.0	10,000	78.8	788,000	1,143.0
CEDAR	2,500	63.6	159,000	179.7	1,100	62.7	69,000	100.0
CHARITON	14,300	81.5	1,165,000	1,293.0	6,000	89.7	538,000	731.6
CHRISTIAN	300	56.7	17,000	23.1	250	80.0	20,000	31.5
CLARK	1,000	75.0	75,000	81.7	900	77.8	70,000	100.9
CLAY	3,700	70.5	261,000	292.3	2,300	91.3	210,000	291.9
CLINTON	7,100	89.2	633,000	708.9	4,600	91.3	420,000	583.9
COLE	3,100	67.7	210,000	249.9	1,300	70.0	91,000	127.4
COOPER	16,000	81.4	1,302,000	1549.0	7,300	87.4	638,000	893.2
CRAWFORD	1,100	70.0	77,000	92.4	550	87.3	48,000	72.9
DADE	7,000	87.9	615,000	836.4	4,800	80.8	388,000	612.2
DALLAS	1,500	61.3	92,000	109.5	900	83.3	75,000	105.0
DAVIESS	11,100	91.2	1,012,000	1,133.0	5,100	90.2	460,000	639.4
DEKALB	11,600	90.2	1,046,000	1,172.0	5,900	90.2	532,000	739.5
DENT	250	56.0	14,000	20.5	250	68.0	17,000	26.3
DOUGLAS	500	56.0	28,000	40.9	450	68.9	31,000	48.0
DUNKLIN	36,200	61.9	2,240,000	3,464.0	28,000	90.1	2,524,000	4,114.0
FRANKLIN	6,200	70.2	435,000	522.1	3,100	75.2	233,000	354.1
GASCONADE	4,000	60.3	241,000	289.2	1,800	61.7	111,000	168.7
GENTRY	7,900	75.7	598,000	669.7	4,100	83.4	342,000	475.4
GREENE	1,100	62.7	69,000	93.8	750	74.7	56,000	88.4
GRUNDY	13,700	87.7	1,202,000	1,334.0	4,800	92.5	444,000	603.8
HARRISON	7,800	79.1	617,000	691.0	4,700	85.3	401,000	557.4
HENRY	30,400	78.4	2,383,000	2,693.0	15,000	89.8	1,347,000	1,953.0
HICKORY	1,500	64.7	97,000	115.5	600	83.3	50,000	70.0
HOLT	6,100	80.2	489,000	547.6	2,700	94.1	254,000	353.1
HOWARD	6,700	87.3	585,000	696.2	3,200	78.4	251,000	351.4
HOWELL	350	51.4	18,000	26.3	350	57.1	20,000	31.0
IRON	250	72.0	18,000	26.3	250	72.0	18,000	27.9
JACKSON	7,100	85.2	605,000	683.8	4,300	86.7	373,000	540.9
JASPER	18,500	69.7	1,289,000	1,753.0	13,400	81.9	1,097,000	1,732.0
JEFFERSON	1,400	65.0	91,000	109.2	850	68.2	58,000	88.1
JOHNSON	33,900	77.4	2,625,000	2,966.0	17,200	81.8	1,407,000	2,040.0
KNOX	4,100	99.3	407,000	443.5	2,800	82.5	231,000	332.7
LACLEDE	900	65.6	59,000	70.2	700	80.0	56,000	78.4
LAFAYETTE	7,100	88.2	626,000	707.5	4,300	71.9	309,000	448.1
LAWRENCE	4,800	52.1	250,000	340.0	3,200	55.0	176,000	277.7
LEWIS	5,600	91.6	513,000	559.0	3,000	85.3	256,000	368.7
LINCOLN	6,200	92.3	572,000	686.5	2,900	101.7	295,000	448.4
LINN	12,700	94.2	1,196,000	1,328.0	4,700	100.6	473,000	643.2
LIVINGSTON	12,600	99.5	1,254,000	1,392.0	5,100	94.5	482,000	655.5
MCDONALD	300	46.7	14,000	19.1	250	76.0	19,000	30.0

SORGHUM:

Acreage, Yield, Production and Value,
by Counties, Missouri, 1986–87

County	1986				1987			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- bushels -		-thous dol-	-acres-	- bushels -		-thous dol-
MACON	11,700	91.5	1,071,000	1,189.0	3,700	99.5	368,000	500.4
MADISON	650	76.9	50,000	73.0	450	77.8	35,000	54.2
MARIES	1,200	74.2	89,000	105.9	700	78.6	55,000	77.0
MARION	9,900	85.7	848,000	924.1	5,600	81.1	454,000	653.8
MERCER	3,900	81.3	317,000	351.9	1,500	96.7	145,000	197.2
MILLER	1,800	70.0	126,000	150.0	700	70.0	49,000	68.6
MISSISSIPPI	27,400	91.2	2,498,000	3,863.0	21,600	80.1	1,731,000	2,821.0
MONITEAU	10,800	82.3	889,000	1058.0	4,600	68.7	316,000	442.4
MONROE	34,100	89.8	3,062,000	3,338.0	21,100	89.0	1,878,000	2,704.0
MONTGOMERY	8,400	90.1	757,000	908.5	3,700	89.7	332,000	504.6
MORGAN	5,100	75.3	384,000	457.0	2,500	67.6	169,000	236.6
NEW MADRID	66,300	75.4	5,002,000	7,735.0	52,100	90.2	4,697,000	7,656.0
NEWTON	2,800	46.8	131,000	178.2	1,800	75.6	136,000	214.6
NODAWAY	7,900	81.1	641,000	717.9	2,900	87.2	253,000	351.7
OREGON	150	66.7	10,000	14.6	150	66.7	10,000	15.5
OSAGE	3,700	81.1	300,000	357.0	1,500	80.7	121,000	169.4
OZARK	200	55.0	11,000	16.1	150	66.7	10,000	15.5
PEMISCOT	36,400	69.9	2,545,000	3,935.0	34,200	88.1	3,014,000	4,913.0
PERRY	5,100	75.3	384,000	460.9	2,200	80.9	178,000	270.5
PETTIS	36,000	90.3	3,250,000	3868.0	17,400	89.4	1,556,000	2,178.0
PHELPS	1,000	65.0	65,000	77.4	700	58.6	41,000	57.4
PIKE	14,500	100.2	1,453,000	1,584.0	8,200	85.4	700,000	1,008.0
PLATTE	11,600	75.3	873,000	977.7	4,700	68.5	322,000	447.6
POLK	1,800	63.9	115,000	136.9	1,000	74.0	74,000	103.6
PULASKI	300	73.3	22,000	26.2	250	84.0	21,000	29.4
PUTNAM	1,900	77.4	147,000	163.2	500	100.0	50,000	68.0
RALLS	14,900	100.2	1,493,000	1,627.0	10,200	104.0	1,061,000	1,528.0
RANDOLPH	6,800	74.9	509,000	565.0	2,300	94.8	218,000	296.5
RAY	8,800	80.1	705,000	789.6	6,800	74.4	506,000	703.4
REYNOLDS	350	62.9	22,000	32.2	350	77.1	27,000	41.9
RIPLEY	10,900	68.6	748,000	1,092.0	6,800	79.7	542,000	840.1
ST CHARLES	1,900	90.5	172,000	206.4	1,050	76.2	80,000	121.6
ST CLAIR	17,500	73.8	1,292,000	1,460.0	10,100	87.8	887,000	1,286.0
ST FRANCOIS	1,400	75.0	105,000	126.0	750	68.0	51,000	77.5
ST LOUIS	800	66.3	53,000	63.6	450	73.3	33,000	50.1
STE GENEVIEVE	2,600	85.4	222,000	266.4	1,200	74.2	89,000	135.3
SALINE	9,300	89.2	830,000	987.7	4,600	58.9	271,000	379.4
SCHUYLER	1,000	76.0	76,000	84.4	350	88.6	31,000	42.2
SCOTLAND	1,500	72.0	108,000	117.7	900	95.6	86,000	123.9
SCOTT	27,100	77.3	2,096,000	3,241.0	20,300	86.2	1,749,000	2,851.0
SHANNON	200	60.0	12,000	17.6	150	80.0	12,000	18.6
SHELBY	18,400	104.3	1,920,000	2,093.0	11,300	103.0	1,164,000	1,676.0
STODDARD	63,400	73.6	4,664,000	7,212.0	53,700	85.1	4,572,000	7,452.0
STONE	300	53.3	16,000	21.8	250	76.0	19,000	30.0
SULLIVAN	4,100	71.5	293,000	325.3	1,600	84.4	135,000	183.6
TANEY	650	50.8	33,000	48.2	550	67.3	37,000	57.4
TEXAS	700	61.4	43,000	62.8	550	78.2	43,000	66.7
VERNON	47,700	76.5	3,647,000	4,120.0	26,100	83.8	2,188,000	3,173.0
WARREN	2,500	72.4	181,000	217.2	1,200	75.8	91,000	138.3
WASHINGTON	400	70.0	28,000	33.6	250	84.0	21,000	31.9
WAYNE	3,300	63.6	210,000	306.6	2,200	67.3	148,000	229.4
WEBSTER	200	60.0	12,000	17.5	250	76.0	19,000	29.5
WORTH	1,700	82.4	140,000	156.8	1,100	84.5	93,000	129.3
WRIGHT	300	60.0	18,000	26.3	350	88.6	31,000	48.1
DISTRICTS								
NORTHWEST	110,000	82.0	11,205,000	10,102.0	56,000	84.0	4,704,000	6,539.0
NORTH CENTRAL	97,000	88.0	8,536,000	9,475.0	36,000	93.0	3,348,000	4,553.0
NORTHEAST	153,000	97.0	14,841,000	16,177.0	100,000	95.0	9,500,000	13,680.0
WEST CENTRAL	205,000	79.0	16,195,000	18,300.0	106,000	84.0	8,904,000	12,911.0
CENTRAL	132,000	85.0	11,220,000	13,352.0	63,000	82.0	5,166,000	7,232.0
EAST CENTRAL	42,000	79.0	3,318,000	3,982.0	20,000	81.0	1,620,000	2,462.0
SOUTHWEST	68,000	75.0	5,100,000	6,936.0	49,000	80.0	3,920,000	6,188.0
SOUTH CENTRAL	31,000	68.0	2,108,000	3,078.0	21,000	78.0	1,638,000	2,539.0
SOUTHEAST	302,000	72.9	22,002,000	34,023.0	249,000	83.1	20,700,000	33,741.0
STATE	**1,140,000**	**81.0**	**92,340,000**	**115,425.0**	**700,000**	**85.0**	**59,500,000**	**89,845.0**



SORGHUM FOR GRAIN, PRODUCTION, By Counties, 1987 Top Ten Counties

New Madrid.....4,697,000 bu.
Stoddard.....4,572,000 bu.
Audrain.....3,600,000 bu.
Pemiscot.....3,014,000 bu.
Dunklin.....2,524,000 bu.
Vernon.....2,188,000 bu.
Barton.....1,937,000 bu.
Monroe.....1,878,000 bu.
Scott.....1,749,000 bu.
Mississippi.....1,731,000 bu.

These top 10 counties represent 46.9% of the State's total production.

500,000 bu. and Above
200,000 – 499,999 bu.
50,000 – 199,999 bu.
Under 50,000 bu.

TOBACCO: Acreage, Yield and Production by Counties, Missouri, 1986-1987

County	1986			1987		
	Harvested	Yield	Production	Harvested	Yield	Production
	-acres-	-lbs-	-lbs-	-acres-	-lbs-	-lbs-
Boone	34	2,035	69,200	29	1,870	54,300
Buchanan	375	2,120	795,000	200	1,995	399,000
Charlton	122	1,890	230,500	100	2,170	217,000
Clay	28	2,080	58,200	16	1,865	29,800
Clinton	39	2,130	83,100	30	2,085	62,600
Howard	170	2,130	362,000	155	2,190	339,700
Platte	1,280	2,105	2,692,000	1,120	2,070	2,320,000
Others	52	1,905	99,000	50	1,932	96,600
State	**2,100**	**2,090**	**4,389,000**	**1,700**	**2,070**	**3,519,000**

COTTON: Acreage, Yield and Production by Counties, Missouri, 1986-1987

County	1986 Planted Acres	1986 Harvested Acres	1986 Yield Per Acre	1986 Production	1987 Planted Acres	1987 Harvested Acres	1987 Yield Per Acre	1987 Production
	-acres-		-lbs-	-480 lb bales-	-acres-		-lbs-	-480 lb bales-
Butler	720	520	600	650	920	920	678	1,300
Dunklin	82,000	81,700	562	95,700	85,500	85,100	831	147,400
Mississippi	280	280	514	300	280	280	686	400
New Madrid	48,000	34,900	678	49,300	52,000	51,800	836	90,200
Pemiscot	34,100	32,600	505	34,300	36,200	36,000	888	66,600
Scott	4,600	4,450	777	7,200	5,400	5,400	809	9,100
Stoddard	8,100	5,550	739	8,550	9,700	9,500	758	15,000
State	**178,000**	**160,000**	**588**	**196,000**	**190,000**	**189,000**	**838**	**330,000**

COTTON: Varieties Planted, Missouri, 1983-87

Year	Stoneville 112	Stoneville 213	Stoneville 506	Stoneville 825	Deltapine 20	Deltapine 41	Deltapine 50	Deltapine 55	Deltapine 61	Coker 304	Coker 310	Coker 3131	All Other Varieties
						-percent-							
1983	---	2	26	26	---	7	---	10	8	3	5	---	13
1984	---	1	33	33	---	10	---	4	8	2	3	---	6
1985	---	1	38	24	---	11	5	3	6	3	---	---	9
1986	5	3	40	19	3	8	14	1	5	*	1	1	*
1987	**1**	**0**	**39**	**16**	**10**	**3**	**28**	**0**	*	*	**0**	**2**	**1**

*Less than .5%
Source: U.S. Department of Agriculture, Agricultural Marketing Service, Cotton Division.

RICE: Acreage, Yield and Production by Counties, Missouri, 1986-87

County	1986 Planted	1986 Harvested	1986 Yield	1986 Production	1987 Planted	1987 Harvested	1987 Yield	1987 Production
	-acres-		-lbs-	-cwt-	-acres-		-lbs-	-cwt-
Butler	39,000	38,400	5,000	1,920,800	39,400	39,300	5,370	2,110,400
Stoddard	23,200	22,900	5,400	1,236,000	21,800	21,200	5,500	1,166,000
Others	5,800	5,700	4,860	277,200	5,800	5,500	5,230	287,600
State	**68,000**	**67,000**	**5,120**	**3,434,000**	**67,000**	**66,000**	**5,400**	**3,564,000**

1987 MISSOURI RICE VARIETY SURVEY

Lemont was planted on fifty-nine percent of Missouri's rice acreage in 1987. Tebonnet was the second most popular variety and comprised seventeen percent of Missouri's crop.

Variety	% of Acreage
Lemont	59%
Tebonnet	17%
Lebonnet	7%
Newbonnet	6%
Labelle	5%
Newrex	2%
Starbonnet	2%
Others*	2%

* Other varieties reported include Bond, Gulfmont, Skybonnet and Mars.

HAY:

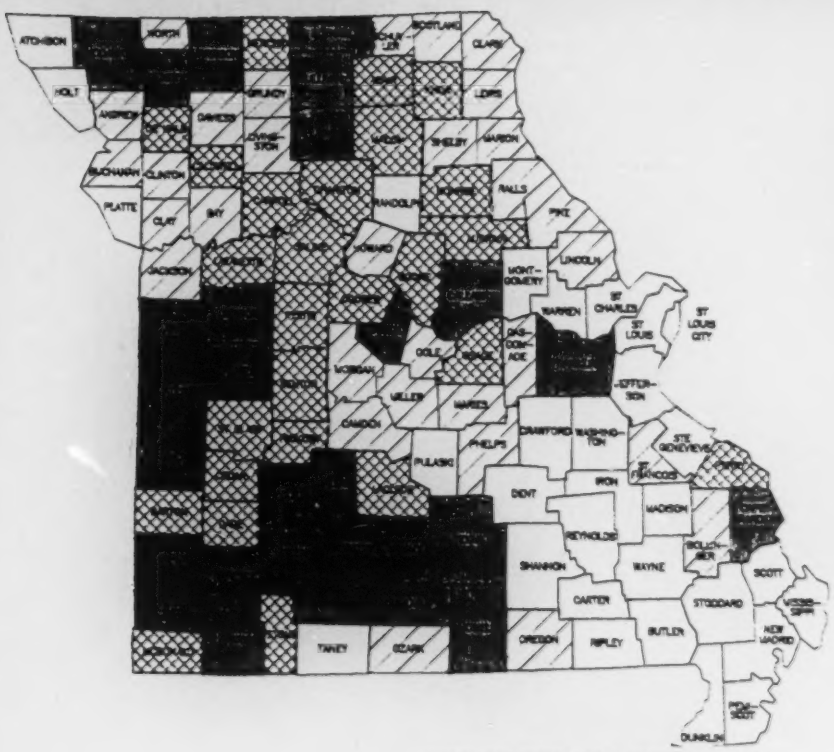
Acreage, Yield, Production and Value, by Counties, Missouri, 1986–87

County	1986				1987			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- tons -		-thous dol-	-acres-	- tons -		-thous dol-
ADAIR	47,000	1.50	70,500	3,630.0	47,800	1.35	65,600	3,411.0
ANDREW	16,500	2.15	35,800	1,880.0	17,000	2.40	41,100	2,055.0
ATCHISON	10,000	2.30	23,100	1,213.0	10,900	2.50	27,300	1,365.0
AUDRAIN	28,400	1.80	51,600	2,556.0	30,600	2.05	62,300	3,395.0
BARRY	47,200	1.85	87,600	5,272.0	50,800	1.80	89,300	6,117.0
BARTON	34,200	1.55	53,500	3,221.0	35,900	1.85	67,000	4,590.0
BATES	51,300	1.65	84,300	4,639.0	55,100	1.75	97,300	5,352.0
BENTON	43,700	1.55	68,500	3,800.0	45,000	1.55	70,000	4,082.0
BOLLINGER	22,300	1.80	40,600	2,455.0	22,000	1.90	41,800	2,801.0
BOONE	37,300	1.55	58,500	3,245.0	39,900	1.85	73,100	4,263.0
BUCHANAN	16,200	2.20	35,900	1,885.0	15,800	2.45	38,500	1,925.0
BUTLER	9,400	1.70	16,200	853.0	9,100	1.70	15,300	933.0
CALDWELL	36,900	1.65	60,400	3,171.0	38,100	1.85	69,800	3,490.0
CALLAWAY	43,100	1.55	67,600	3,750.0	45,000	1.85	82,900	4,835.0
CAMDEN	21,300	1.50	32,400	1,797.0	23,900	1.75	41,400	2,414.0
CAPE GIRARDEAU	41,600	1.75	71,800	3,773.0	41,200	1.90	78,000	4,758.0
CARROLL	32,700	1.60	52,100	2,683.0	32,000	1.65	52,800	2,745.0
CARTER	6,000	1.55	9,400	568.0	7,000	1.90	13,400	898.0
CASS	42,900	1.65	70,500	3,880.0	45,800	1.70	77,300	4,252.0
CEDAR	32,300	1.35	44,200	2,433.0	34,800	1.70	58,700	3,228.0
CHARITON	36,800	1.60	58,600	3,018.0	36,600	1.65	60,500	3,146.0
CHRISTIAN	45,800	2.15	98,500	5,927.0	48,900	2.20	107,400	7,357.0
CLARK	24,100	2.15	51,800	2,566.0	24,800	1.80	44,700	2,436.0
CLAY	23,700	1.45	34,200	1,795.0	25,500	1.50	35,500	1,775.0
CLINTON	25,000	1.55	38,500	2,021.0	25,900	1.75	45,800	2,290.0
COLE	28,000	1.65	46,500	2,579.0	29,000	1.70	49,100	2,864.0
COOPER	31,000	1.65	51,400	2,851.0	33,400	1.60	52,800	3,079.0
CRAWFORD	19,900	1.50	29,500	1,518.0	21,100	1.35	28,900	1,720.0
DADE	30,600	1.65	50,800	3,058.0	32,600	1.75	57,000	3,904.0
DALLAS	50,000	1.55	78,400	4,350.0	50,700	1.80	90,900	5,301.0
DAVIESS	25,500	2.30	59,000	3,097.0	25,100	1.95	48,800	2,440.0
DEKALB	29,000	1.85	53,100	2,788.0	28,800	1.95	56,400	2,820.0
DENT	21,600	1.85	40,300	2,437.0	21,100	1.65	34,900	2,338.0
DOUGLAS	38,200	1.70	65,700	3,973.0	39,600	1.95	77,600	5,199.0
DUNKLIN	1,200	1.90	2,300	122.0	1,200	1.70	2,000	122.0
FRANKLIN	47,600	1.80	84,700	4,359.0	47,800	1.75	84,400	5,022.0
GASCONADE	23,900	1.60	37,800	1,945.0	25,100	1.50	37,900	2,255.0
GENTRY	35,400	2.20	78,400	4,116.0	37,700	2.15	80,200	4,010.0
GREENE	69,500	2.15	149,400	8,989.0	74,200	1.95	142,900	9,789.0
GRUNDY	26,800	1.70	45,200	2,327.0	26,900	1.70	45,300	2,356.0
HARRISON	50,900	1.95	98,100	5,150.0	52,200	1.80	93,100	4,655.0
HENRY	48,600	1.65	79,900	4,397.0	51,400	1.75	89,400	4,917.0
HICKORY	32,800	1.75	57,500	3,190.0	34,800	1.70	58,500	3,412.0
HOLT	6,400	2.70	17,200	903.0	6,500	2.50	16,100	805.0
HOWARD	24,300	1.75	42,500	2,357.0	26,800	1.55	42,000	2,449.0
HOWELL	47,900	1.85	89,400	5,407.0	48,000	1.80	86,300	5,782.0
IRON	8,400	1.85	15,700	949.0	7,500	1.60	11,800	791.0
JACKSON	20,500	1.55	31,800	1,751.0	22,300	1.60	35,400	1,947.0
JASPER	41,300	1.75	72,600	4,369.0	42,600	1.85	79,000	5,343.0
JEFFERSON	17,800	1.60	28,200	1,451.0	17,700	1.40	25,100	1,494.0
JOHNSON	66,700	1.65	109,600	6,031.0	70,900	1.65	118,100	6,495.0
KNOX	33,200	1.95	64,900	3,214.0	36,200	1.70	62,100	3,385.0
LACLEDE	45,800	1.75	80,300	4,455.0	47,800	1.50	72,100	4,205.0
LAFAYETTE	29,100	1.80	53,100	2,922.0	31,200	1.70	52,500	2,888.0
LAWRENCE	75,500	1.85	140,200	8,436.0	78,100	1.90	150,600	10,316.0
LEWIS	19,700	1.95	38,500	1,907.0	20,300	2.00	41,000	2,235.0
LINCOLN	20,800	1.90	39,100	2,012.0	21,900	1.90	41,300	2,457.0
LINN	52,600	1.85	98,600	5,078.0	55,700	1.65	91,400	4,753.0
LIVINGSTON	23,000	1.80	41,000	2,111.0	24,600	1.90	46,300	2,408.0
MCDONALD	34,000	1.80	61,500	3,701.0	34,500	1.65	58,600	4,014.0

HAY:

Acreage, Yield, Production and Value, by Counties, Missouri, 1986–87

County	1986				1987			
	Harvested	Yield per Acre	Production	Total Value	Harvested	Yield per Acre	Production	Total Value
	-acres-	- tons -		-thous dol-	-acres-	- tons -		-thous dol-
MACON	47,000	1.70	79,300	4,084.0	45,500	1.45	66,500	3,458.0
MADISON	12,400	1.55	19,500	1,178.0	13,600	1.70	23,300	1,561.0
MARIES	27,500	1.55	43,100	2,391.0	29,000	1.70	49,900	2,910.0
MARION	18,100	2.15	38,900	1,927.0	19,300	2.25	43,300	2,360.0
MERCER	32,600	1.80	58,000	2,987.0	32,500	1.90	62,300	3,239.0
MILLER	30,800	1.65	51,200	2,840.0	31,200	1.35	42,100	2,455.0
MISSISSIPPI	1,800	2.15	3,900	206.0	1,800	1.80	3,200	195.0
MONITEAU	39,100	1.45	55,900	3,101.0	42,100	2.00	83,400	4,864.0
MONROE	27,000	1.65	44,900	2,224.0	29,600	1.75	52,100	2,839.0
MONTGOMERY	19,600	1.95	37,800	1,945.0	19,800	1.60	31,900	1,898.0
MORGAN	31,500	1.50	46,500	2,579.0	31,200	1.50	47,500	2,770.0
NEW MADRID	900	1.90	1,700	90.0	900	1.80	1,600	98.0
NEWTON	49,300	1.80	89,100	5,362.0	51,200	1.65	85,200	5,836.0
NODAWAY	55,800	2.60	145,200	7,623.0	55,100	2.40	128,000	6,400.0
OREGON	22,800	2.05	47,100	2,848.0	22,000	1.95	42,500	2,847.0
OSAGE	38,800	1.55	60,800	3,373.0	38,400	1.75	66,500	3,878.0
OZARK	20,600	1.95	40,500	2,449.0	22,000	1.90	42,100	2,821.0
PEMISCOT	1,400	2.70	3,800	201.0	1,400	1.90	2,600	159.0
PERRY	26,300	2.20	58,500	3,010.0	25,900	2.30	59,900	3,564.0
PETTIS	38,300	1.65	63,500	3,523.0	41,300	1.60	66,700	3,890.0
PHELPS	20,700	1.55	32,400	1,797.0	21,700	1.85	40,300	2,350.0
PIKE	25,500	1.95	49,900	2,471.0	27,500	1.70	46,200	2,518.0
PLATTE	18,000	1.95	34,700	1,822.0	17,800	1.60	26,900	1,345.0
POLK	66,600	1.90	126,000	6,990.0	71,000	1.70	122,200	7,127.0
PULASKI	17,600	1.50	26,600	1,476.0	16,700	1.85	30,800	1,796.0
PUTNAM	49,200	1.70	83,000	4,274.0	51,000	1.80	92,400	4,805.0
RALLS	19,600	1.85	36,400	1,803.0	21,600	1.85	39,600	2,158.0
RANDOLPH	18,800	1.50	28,200	1,452.0	19,000	1.60	30,800	1,602.0
RAY	26,100	1.60	42,700	2,242.0	27,100	1.45	37,500	1,875.0
REYNOLDS	11,100	1.60	17,500	1,057.0	10,600	1.35	14,400	965.0
RIPLEY	10,000	1.75	17,700	1,069.0	9,700	1.50	14,700	985.0
ST CHARLES	13,600	2.55	35,000	1,801.0	13,500	2.20	29,400	1,749.0
ST CLAIR	39,400	1.55	61,200	3,368.0	42,500	1.45	61,900	3,404.0
ST FRANCOIS	23,800	1.70	40,000	2,058.0	24,300	1.50	36,700	2,184.0
ST LOUIS	2,900	1.85	5,400	278.0	3,400	1.85	6,200	369.0
STE GENEVIEVE	19,100	1.90	35,900	1,847.0	19,300	1.60	30,700	1,827.0
SALINE	26,800	1.85	49,400	2,741.0	26,100	1.95	50,800	2,963.0
SCHUYLER	24,800	1.70	41,800	2,152.0	23,700	1.85	43,200	2,246.0
SCOTLAND	26,400	1.95	51,600	2,556.0	28,800	1.50	43,500	2,371.0
SCOTT	7,700	1.75	13,300	699.0	7,700	1.75	13,600	829.0
SHANNON	13,200	1.75	23,400	1,414.0	12,800	1.65	20,800	1,394.0
SHELBY	23,000	1.75	40,500	2,006.0	25,300	1.90	48,200	2,627.0
STODDARD	11,000	1.65	18,000	946.0	10,700	1.55	16,700	1,019.0
STONE	27,600	1.50	41,800	2,516.0	30,200	1.65	50,000	3,425.0
SULLIVAN	68,700	1.65	112,700	5,804.0	68,700	1.60	108,900	5,663.0
TANEY	14,500	1.90	27,800	1,680.0	13,600	1.50	20,700	1,387.0
TEXAS	56,600	1.65	94,600	5,721.0	58,500	1.60	94,800	6,351.0
VERNON	49,200	1.75	85,400	4,699.0	51,000	1.50	77,400	4,257.0
WARREN	11,500	1.80	20,500	1,054.0	11,300	1.55	17,700	1,053.0
WASHINGTON	13,200	1.50	19,600	1,008.0	12,900	1.45	18,900	1,124.0
WAYNE	11,200	1.45	16,500	998.0	12,300	1.65	20,000	1,340.0
WEBSTER	62,600	1.95	123,000	7,440.0	63,800	1.65	105,300	7,055.0
WORTH	19,600	2.05	39,700	2,084.0	21,500	2.10	45,000	2,250.0
WRIGHT	55,600	1.75	98,300	5,945.0	55,900	1.90	105,600	7,075.0
DISTRICTS								
NORTHWEST	395,000	2.00	796,000	41,790.0	405,000	1.95	790,000	39,500.0
NORTH CENTRAL	460,000	1.67	769,000	39,600.0	464,000	1.65	766,000	39,832.0
NORTHEAST	245,000	1.90	469,000	23,230.0	264,000	1.83	483,000	26,324.0
WEST CENTRAL	380,000	1.65	620,000	34,120.0	405,000	1.65	668,000	36,740.0
CENTRAL	695,000	1.65	1,139,000	63,185.0	725,000	1.70	1,233,000	71,907.0
EAST CENTRAL	260,000	1.80	472,000	24,286.0	264,000	1.70	449,000	26,716.0
SOUTHWEST	455,000	1.85	845,000	50,851.0	479,000	1.85	886,000	60,691.0
SOUTH CENTRAL	435,000	1.80	787,000	47,588.0	440,000	1.75	770,000	51,590.0
SOUTHEAST	75,000	1.75	131,000	6,890.0	74,000	1.80	133,000	8,113.0
STATE	**3,400,000**	**1.77**	**6,028,000**	**331,540.0**	**3,520,000**	**1.76**	**6,178,000**	**361,413.0**



HAY PRODUCTION,
By Counties, 1987
Top Ten Counties

Lawrence.....150,600 tons
Greene.....142,900 tons
Nodaway.....128,000 tons
Polk.....122,200 tons
Johnson.....118,100 tons
Sullivan.....108,900 tons
Christian.....107,400 tons
Wright.....105,600 tons
Webster.....105,300 tons
Bates.....97,300 tons

These top 10 counties represent 19.2% of the State's total production.

75,000 tons and Above
50,000 – 74,999 tons
35,000 – 49,999 tons
Under 35,000 tons

HAY STOCKS ON FARMS
Missouri, 1983-87 1/

Year	May 1	Dec. 1
	-thousand tons-	
1983	1,166	4,026
1984	326	4,817
1985	1,268	5,341
1986	1,433	5,546
1987	**1,266**	**5,375**

1/ Survey date changed from January 1 to December 1 beginning December 1986.

RICE STOCKS
Missouri, 1983-87 1/

Year	Mar. 1 2/	Aug. 1	Dec. 1 3/
	-thousand cwt.-		
1983	1,177	340	2,116
1984	1,442	664	2,321
1985	1,605	1,395	4,597
1986	3,168	2,514	4,616
1987	**3,956**	**2,500**	**3,269**

1/ Rough rice stocks in all positions.
2/ Survey date changed from April 1 to March 1 beginning March 1987.
3/ Survey date changed from January 1 to December 1 beginning December 1986.

OFF FARM STORAGE FACILITIES
Missouri, December 1, 1983-87 1/

Year	Number	Capacity
		-thous bu-
1983	620	248,110
1984	618	245,530
1985	615	247,550
1986	612	279,450
1987	**610**	**292,000**

1/ Survey date changed from January 1 to December 1 beginning December 1986.

Grain Stocks

Missouri, 1983–1987 1/
(thousand bushels)

CORN

On Farms Date	1983	1984	1985	1986	1987
Mar. 1	77,598	29,172	41,688	92,752	**143,000**
June 1	51,732	16,774	27,792	79,112	**103,000**
Sep. 1	23,876	4,740	6,948	43,650	**46,000**
Dec. 1	47,405	80,288	133,672	200,000	**165,000**

Off Farms Date	1983	1984	1985	1986	1987
Mar. 1	36,540	23,932	18,843	41,604	**77,715**
June 1	35,664	16,831	14,818	38,196	**67,949**
Sep. 1	30,259	7,950	9,729	53,603	**64,737**
Dec. 1	33,798	28,860	51,194	83,381	**87,324**

Total Stocks Date	1983	1984	1985	1986	1987
Mar. 1	114,138	53,104	60,531	134,356	**220,715**
June 1	87,396	33,605	42,610	117,308	**170,949**
Sep. 1	54,135	12,690	16,677	97,253	**110,737**
Dec. 1	81,203	109,148	184,866	283,381	**252,324**

SORGHUM 2/

On Farms Date	1983	1984	1985	1986	1987
Mar. 1	10,226	6,003	11,930	---	---
June 1	5,752	4,402	8,259	18,725	**15,000**
Sep. 1	2,237	1,001	1,835	6,450	**10,000**
Dec. 1	13,207	30,284	47,982	---	---

Off Farms Date	1983	1984	1985	1986	1987
Mar. 1	11,803	9,356	8,042	---	---
June 1	11,534	7,062	5,045	30,679	**40,923**
Sep. 1	9,495	3,706	4,504	32,732	**36,443**
Dec. 1	16,020	14,974	38,729	---	---

Total Stocks Date	1983	1984	1985	1986	1987
Mar. 1	22,029	15,359	19,972	---	---
June 1	17,286	11,464	13,304	49,404	**55,923**
Sep. 1	11,732	4,707	6,339	39,182	**46,443**
Dec. 1	29,227	45,258	86,711	---	---

SOYBEANS

On Farms Date	1983	1984	1985	1986	1987
Mar. 1	39,330	20,600	21,730	36,087	**38,000**
June 1	22,230	9,270	16,298	28,870	**17,000**
Sep. 1	5,130	4,635	7,606	12,000	**6,000**
Dec. 1	38,110	46,720	77,587	102,000	**67,000**

Off Farms Date	1983	1984	1985	1986	1987
Mar. 1	31,828	23,697	18,521	33,154	**44,685**
June 1	22,350	17,948	13,066	24,181	**31,689**
Sep. 1	12,441	6,226	8,153	20,859	**13,733**
Dec. 1	36,643	30,961	51,794	54,890	**53,325**

Total Stocks Date	1983	1984	1985	1986	1987
Mar. 1	71,158	44,297	40,251	69,241	**82,685**
June 1	44,580	27,218	29,364	53,051	**48,689**
Sep. 1	17,571	10,861	15,759	32,859	**19,733**
Dec. 1	74,753	77,681	129,381	156,890	**120,325**

WHEAT

On Farms Date	1983	1984	1985	1986	1987
Mar. 1	7,480	9,139	3,362	4,493	**2,100**
June 1	2,992	2,812	1,261	2,496	**1,500**
Sep. 1	13,464	15,466	8,986	5,850	**8,000**
Dec. 1	12,654	9,246	4,992	3,600	**2,800**

Off Farms Date	1983	1984	1985	1986	1987
Mar. 1	20,921	19,911	20,358	26,936	**27,145**
June 1	14,205	18,511	18,542	25,653	**24,142**
Sep. 1	37,475	48,225	36,470	33,559	**29,722**
Dec. 1	33,072	29,075	29,701	28,826	**27,588**

Total Stocks Date	1983	1984	1985	1986	1987
Mar. 1	28,401	29,050	23,720	31,429	**29,245**
June 1	17,197	21,323	19,803	28,149	**25,642**
Sep. 1	50,939	63,691	45,456	39,409	**37,722**
Dec. 1	45,726	38,321	34,693	32,426	**30,388**

1/ In mid 1986, reference dates for grain stocks surveys changed from the first of October, January and April to the first of September, December and March. The June first date was not changed. Except for soybeans on September 1, figures in the above tables prior to April 1986 reflect data for the following month.

2/ In mid 1986, program modifications changed stocks estimated from quarterly to twice a year on June 1 and September 1.

COMMERCIAL FERTILIZER: Consumption by Kind and Primary Plant Nutrients, Missouri, 1983-87 1/

Item	1983	1984	1985	1986	1987 2/
			-tons-		
Multiple Nutrient	959,987	1,080,765	492,606	442,713	395,492
Nitrogen Materials					
Ammonia					
Anhydrous	78,140	73,038	115,907	102,984	86,832
Aqua	1,503	303	1,401	474	0
Ammonium					
Nitrate	91,280	80,194	185,246	130,121	145,462
Sulfate	334	3,043	4,636	5,249	6,372
Nitrogen Solutions	133,597	158,319	190,954	185,499	176,500
Sodium Nitrate	161	279	489	518	248
Urea	86,168	84,395	179,994	218,836	215,657
Other	944	485	4,100	3,855	4,534
Phosphate Materials					
Phosphate Rock 3/	1,980	619	0	4	5
SuperPhosphates					
22% and Under	21	18	15	16	3
Over 22%	6,024	13,128	52,038	58,459	60,345
Other	31	317	777	2,045	1,879
Potash Materials					
Chloride, 60% and over	44,426	51,733	275,872	303,794	324,225
Other	2,467	3,915	4,415	4,788	3,819
Secondary and Micronutrient Materials					
Gypsum	10,135	14,962	1,436	2,646	849
Other	959	2,819	4,966	4,285	3,185
Natural Organics	3,288	3,337	113	54	0
Total Fertilizer	1,421,445	1,571,669	1,514,890	1,466,317	1,425,397
Primary Nutrients		-nutrient tons-			
N	304,090	333,113	367,058	347,768	331,593
Available P_2O_5	147,771	171,844	146,235	147,651	149,922
K_2O	220,760	241,105	215,361	224,321	225,922

1/ Figures furnished by Agricultural Experiment Station, University of Missouri-Columbia; Data also supplied by the National Fertilizer Development Center of the TVA.
Fertilizer based on consumption for fiscal year ending June 30 of year shown.
2/ Data for 1985,1986 and 1987 are not strictly comparable with earlier years. Much of the data now represents the input side of bulk blending operations rather than the output side.
3/ Includes Colloidal Phosphate.

SELECTED HERBICIDES AND INSECTICIDES USED IN MISSOURI, 1987

CORN	PERCENT
Acres treated with herbicides	96
Treated acres by active ingredients	
Alachlor	34
Atrazine	86
Butylate	2
Cyanazine	15
Dicamba	NR
Metolachlor	17
2,4-D	5
Other	15
Acres treated with insecticides	40
Treated acres by active ingredients	
Carbofuran	7
Chlorpyrifos	38
Fenofos	2
Terbufos	13
Other	40

SOYBEANS	PERCENT
Acres treated with herbicides	93
Treated acres by active ingredients	
Aciflurofen	6
Alachlor	15
Bentazon	12
Dimethazone	4
Ethalfluralin	2
Fluazifop-butyl	4
Imazaquin	40
Linuron	5
Metolachlor	6
Metribuzin	17
Pendimethalin	17
Sethoxydim	2
Trifluralin	47
Other	26

NR= None Reported

SOURCE: USA, ERS, AGRICULTURAL RESOURCES

FARM LABOR - 1987
MISSOURI AND IOWA 1/

	APRIL 12-18	JULY 12-18	OCT. 11-17
		-thousands-	
Farm Employment			
Farm operators	145.0	138.0	154.0
Unpaid workers	58.0	65.0	70.0
Hired labor	37.0	54.0	40.0
Total farm workers	240.0	257.0	264.0
		-hours per week-	
Hours Worked Per Worker			
Farm operators	45.7	49.7	54.9
Unpaid workers	37.4	38.4	44.6
Hired workers	34.4	31.4	45.7
		-dollars per hour-	
Farm Wage Rates			
Field workers	4.37	4.00	4.29
Livestock workers	4.39	4.70	3.87
All hired workers 2/	4.64	4.53	4.32

1/ Missouri and Iowa combined. No individual state estimates are available.
2/ Includes supervisory and other types of workers along with the field and livestock workers.

FRUITS: Production, Use and Value, Missouri, 1983-87

Year	Production		Season Average Price	Value of Utilized Production
	Total	Utilized		
		-Apples-		
	-million pounds-		-cents per lb.-	-thous. dol.-
1983	45.0	45.0	15.2	6,836
1984	40.0	40.0	16.9	6,754
1985	62.0	62.0	16.2	10,069
1986	37.0	37.0	21.2	7,837
1987	**53.0**	**50.0**	**13.0**	**6,500**
		-Peaches-		
	-million pounds-		-cents per lb.-	-thous. dol.-
1983	12.0	12.0	22.0	2,640
1984	15.0	13.0	17.0	2,210
1985	1/	1/	1/	1/
1986	12.0	12.0	21.0	2,520
1987	**13.0**	**13.0**	**18.7**	**2,431**
		-Grapes-		
	-tons-		-dollars per ton-	-thous. dol.-
1983	3,600	3,600	312	1,122
1984	3,100	3,100	273	845
1985	900	900	362	326
1986	2,900	2,900	310	899
1987	**2,750**	**2,750**	**351**	**966**

1/ No significant commercial production due to frost

MARKETING YEAR AVERAGE PRICES

Marketing year average prices received by Missouri farmers are based on monthly prices weighted by monthly marketings during specific periods. These periods, by crop, are shown below. Marketing year average prices do not include allowances or adjustments for commodities under government loan at the end of the marketing year, commodities forfeited to the Commodity Credit Corporation, crop deficiency payments, or disaster payments.

Crop	Marketing Year
Wheat, Oats, Rye	June thru following May
Cotton, Rice	August thru following July
Corn, Grain Sorghum, Soybeans	September thru following August
Hay	May thru following April

FLORICULTURE

	1984	1985	1986	1987
Number of growers 1/	N/A	N/A	132	138
Total greenhouse cover (1000 sq. ft.)	N/A	4,509	4,906	5,001
Wholesale value (1,000 dollars)	16,782	25,398	27,173	27,868

1/ Estimates began in 1986.

LIVESTOCK

1987
MISSOURI LIVESTOCK SUMMARY

by Carl Scott

HIGHLIGHTS: Declining cattle numbers continued in Missouri in 1987. However, there was an increase in cash receipts for cattle during 1987. Cattle cash receipts totaled $959.1 million in 1987, up 24 percent from 1986. The price for cattle was up and also higher marketings accounted for the increase in receipts. Hog numbers showed an increase reversing a downward trend the last several years. Hog cash receipts increased 4 percent to $579.3 million. This increase was caused by a combination of a higher price and higher marketings. There was a 3 percent increase in the price of hogs to $50.70 per 100 pounds, the highest average price since 1982. Sheep cash receipts were $5.9 million in 1987, up 20 percent from 1986. The higher receipts were a result of a 17 percent increase in 1987 marketings of sheep while the price also increased. Cash receipts from milk marketed were $352.2 million, down slightly from 1986. The fewer milk cows in 1987 offset the higher price for milk and the higher production per cow. The value of egg production during 1987 was $50.3 million, a decrease of 6 percent over 1986. The value of turkey production decreased 7 percent in 1987 to $108.5 million.

HOGS: The December 1 inventory of Missouri hogs and pigs was estimated at 2.95 million head, up 4 percent from 1986 but down 3 percent from 1985. Only five states had inventories larger than Missouri's on December 1: Iowa, Illinois, Indiana, Minnesota and Nebraska. The number of operations with hogs continues to decline. Farms with hogs totaled 18,000, 5 percent less than the 19,000 last year and 55 percent less than the 40,000 in 1980.

There were 695,000 sows farrowed in 1987, a 9 percent increase from the previous year. The pig crop totaled 5.20 million pigs, up 6 percent from 1986. Pigs per litter averaged 7.47.

CATTLE: Total inventory of cattle and calves on Missouri farms, as of January 1, 1988, totaled 4.25 million head, 8 percent below 1987 and 11 percent below 1986. This inventory is 37 percent below the record January 1 inventory of 6.80 million head set in 1975. Missouri ranks seventh nationally in cattle inventory behind Texas, Kansas, Nebraska, Oklahoma, California and Iowa.

In the state on January 1, 1988, there were 2.09 million head of cows and heifers that have calved, down 4 percent from last year. Missouri ranks second nationally in all cows numbers after Texas. Beef cows totaled 1.87 million, down 5 percent from January 1, 1987. Milk cows totaled 224,000 head, up 2 percent from last year.

Missouri's 1987 calf crop totaled 1.97 million head, down 6 percent from 1986 and 7 percent below 1985.

MILK PRODUCTION: Milk production was down 1 percent to 2.90 billion pounds in 1987. The average number of milk cows on hand during the year was 221,000 head (down 6,000 head from 1986) and they produced an average of 13,122 pounds per cow (an increase of 215 pounds).

Butter production was down 21 percent to 17.3 million pounds. American type cheese showed a 12 percent decrease to 60.9 million pounds.

SHEEP: Missouri's sheep and lamb flock totaled 103,000 head as of January 1, 1988. This is a 6 percent decrease from the 110,000 on hand January 1, 1987. Total value of all sheep and lambs on hand January 1, 1988 was $9.3 million, up 29 percent from last year. The average value per head was $90.50, up from the $65.50 of last year.

CHICKENS AND EGGS: Inventory of all chickens (excluding commercial broilers) on December 1, 1987 was 8.7 million birds, up 9 percent from 1986. Hens and pullets of laying age totaled 7.1 million, up from 6.3 million on December 1, 1986. The yearly egg production of 1.53 billion eggs was up 9 percent from 1986.

TURKEYS: A total of 15.5 million turkeys was raised in 1987, up two million from the number raised in 1986. The average price of 35.0 cents per pound was down 10.0 cents from a year ago.

LIVESTOCK RECORDS FOR MISSOURI:

Item of Livestock	Record High		Record Low		Date Series Began
	Head	Year 1/	Head	Year 1/	
Cattle					
All cattle Jan. 1	6,800,000	1975	1,134,000	1867	1867
Beef cows Jan. 1	2,759,000	1975	280,000	1912	1900
Milk cows Jan. 1	1,115,000	1945	**219,000**	**1987**	1867
Cattle on feed Jan. 1	442,000	1969	85,000	1986	1950
Calf crop	2,840,000	1974	908,000	1927	1924
Milk					
Milk Production 2/ (annual)	4,600,000.000	1954	2,606,000,000	1924	1924
Hogs					
Inventory Dec. 1	5,405,000	1944	2,400,000	1935	1867
Pig Crop					
Spring	4,037,000	1943	1,588,000	1937	1924
Fall	4,352,000	1970	1,123,000	1934	1924
Sheep					
Inventory Jan. 1	1,780,000	1943	101,000	1986	1867
Lamb crop	1,298,000	1942	**100,000**	**1987**	1924
Wool production 2/ (annual)	11,052,000	1942	711,000	1985	1909
Chickens					
Inventory Dec. 1 3/	31,231,000	1927	7,000,000	1983	1924
Egg production 4/ (annual)	3,052,000,000	1944	1,149,000,000	1974	1925
Turkeys					
Raised	**15,500,000**	**1987**	255,000	1930	1929

1/ These are the latest years that records were achieved. In some cases, these records were equaled in earlier years.
2/ Production in pounds.
3/ All chickens (excludes commercial broilers).
4/ Production in eggs.

LIVESTOCK ON FARMS: Number and Value, by Species, Missouri, January 1, 1984-88

Year	All Cattle and Calves			All Hogs And Pigs 1/			All Sheep and Lambs		
	Number	Value Per Head	Total	Number	Value Per Head	Total	Number	Value Per Head	Total
	-thous hd-	-dol-	-thous dol-	-thous hd-	-dol-	-thous dol-	-thous hd-	-dol-	-thous dol-
1984	5,200	355	1,846,000	3,600	56.00	201,600	128	45.00	5,760
1985	4,850	365	1,770,250	3,450	74.00	255,300	123	54.00	6,642
1986	4,800	350	1,680,000	3,050	65.00	198,250	101	58.50	5,909
1987	4,600	390	1,794,000	2,850	88.50	252,225	110	65.50	7,205
1988	**4,250**	**495**	**2,103,750**	**2,950**	**71.00**	**209,450**	**103**	**90.50**	**9,322**

1/ December 1 preceding year.

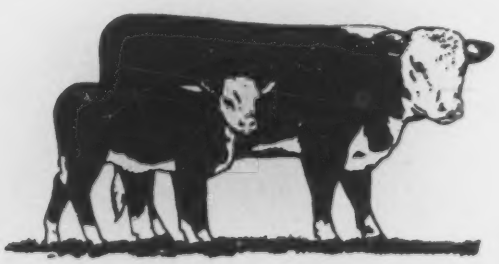
LIVESTOCK ON FARMS: Missouri, January 1, 1984-88

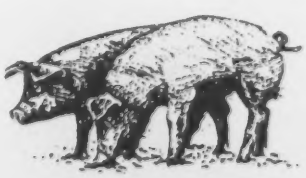
Year	Milk Cows	Cattle and Calves on Feed
	Number	Number
	-thousand head-	
1984	254	90
1985	225	90
1986	235	85
1987	219	90
1988	**224**	**110**

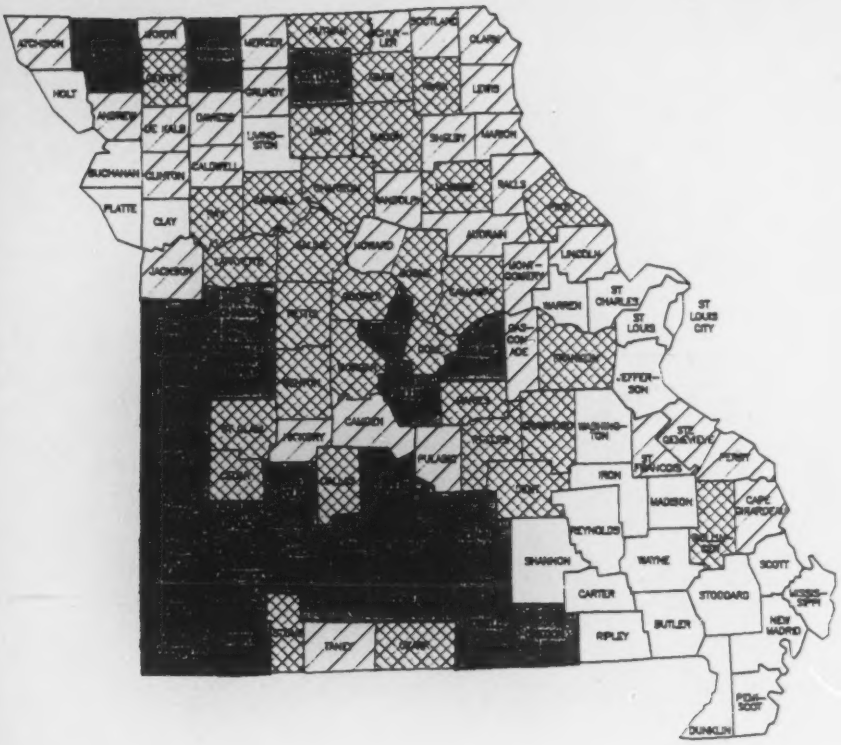
NUMBER OF LIVESTOCK OPERATIONS: by Species, Missouri, 1983-87 1/

Year	Operations with Cattle	Operations with Beef Cows	Operations with Milk Cows	Operations with Hogs	Operations with Sheep
			-number-		
1983	100,000	N/A	11,500	27,000	3,900
1984	100,000	N/A	11,500	26,000	3,900
1985	98,000	N/A	11,000	23,000	3,900
1986	96,000	76,000	10,500	19,000	3,900
1987	**92,000**	**73,000**	**9,500**	**18,000**	**3,700**

1/ One or more head on hand at any time during year.





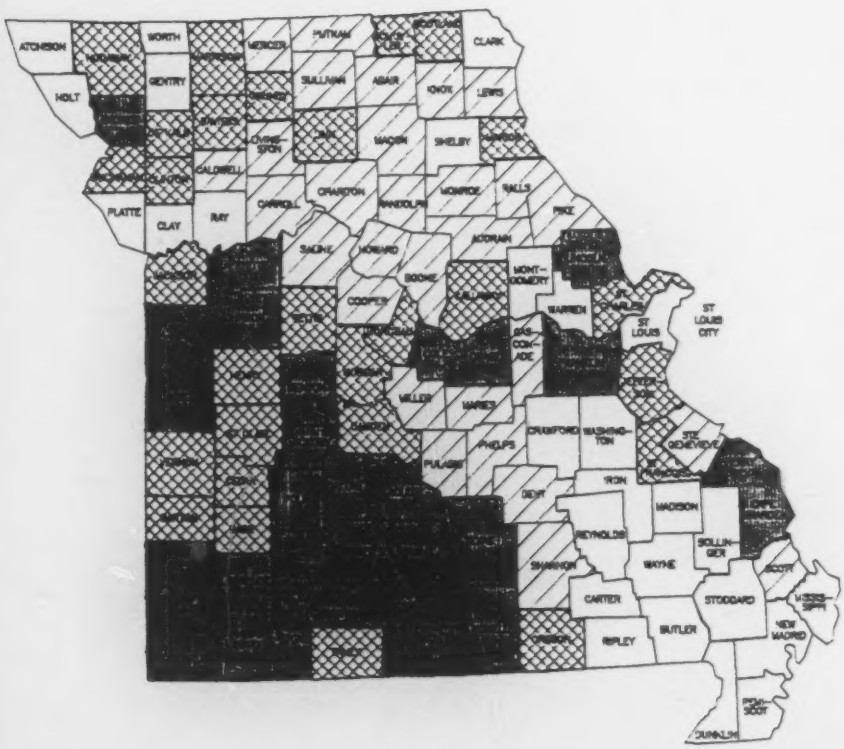


BEEF COW NUMBERS
By Counties, Jan. 1, 1988
Top Ten Counties

Lawrence	44,200 head
Greene	38,300 head
Barry	37,200 head
Nodaway	36,100 head
Texas	34,800 head
Polk	34,600 head
Howell	34,400 head
Newton	34,100 head
Johnson	32,300 head
Bates	31,700 head

These top 10 counties represent 19.2% of the State's total beef cow numbers.

22,000 head and Above
15,000 – 21,999 head
10,000 – 14,999 head
Under 10,000 head



MILK COW NUMBERS
By Counties, Jan. 1, 1988
Top Ten Counties

Wright	15,700 head
Webster	15,000 head
Laclede	10,500 head
Polk	10,500 head
Lawrence	10,400 head
Greene	8,900 head
Texas	8,900 head
Douglas	8,600 head
Dallas	8,400 head
Barry	7,000 head

These top 10 counties represent 46.4% of the State's total milk cow numbers.

2,000 head and Above
800 – 1,999 head
300 – 799 head
Under 300 head

ALL CATTLE

BEEF AND MILK COWS:

by Counties, Missouri, January 1, 1987–88

COUNTY	BEEF COWS		MILK COWS		ALL CATTLE		ALL CATTLE VALUE	
	1987	1988	1987	1988	1987	1988	1987	1988
	-head-		-head-		-head-		-thousand dollars-	
ADAIR	18,500	18,300	600	600	36,500	37,000	13,491	17,381
ANDREW	10,900	10,400	2,200	2,300	29,900	27,400	12,169	14,155
ATCHISON	12,200	11,600	50	50	27,000	24,800	9,723	11,407
AUDRAIN	13,900	13,300	500	500	43,500	39,200	15,938	18,321
BARRY	39,400	37,200	6,800	7,000	96,200	86,800	38,969	44,643
BARTON	23,800	22,600	1,700	1,800	50,800	46,200	19,342	22,430
BATES	34,000	31,700	2,900	2,800	73,300	67,100	28,202	32,705
BENTON	20,400	19,200	2,200	2,300	46,500	42,600	18,126	21,125
BOLLINGER	16,000	15,400	200	200	31,200	29,200	11,328	13,528
BOONE	18,800	17,600	500	500	39,000	35,700	14,323	16,716
BUCHANAN	7,500	6,800	1,400	1,400	18,100	15,800	7,411	8,213
BUTLER	4,400	3,900	150	150	8,800	7,700	3,256	3,634
CALDWELL	14,600	14,000	300	300	29,400	27,000	10,747	12,588
CALLAWAY	21,300	19,500	800	800	45,600	40,900	16,888	19,308
CAMDEN	10,900	10,200	1,400	1,400	24,700	22,600	9,779	11,331
CAPE GIRARDEAU	16,500	14,700	2,900	2,900	38,200	33,500	15,605	17,367
CARROLL	16,700	16,100	600	600	36,100	35,700	13,348	16,785
CARTER	4,200	4,100	50	50	7,800	7,300	2,832	3,382
CASS	24,600	22,700	2,300	2,200	52,200	47,300	20,237	23,211
CEDAR	19,800	18,600	1,100	1,100	39,000	36,100	14,715	17,315
CHARITON	17,100	16,600	500	500	42,900	42,800	15,723	19,972
CHRISTIAN	28,700	27,300	5,900	6,100	75,500	68,600	30,952	35,675
CLARK	11,200	10,800	150	150	21,700	19,600	7,886	9,091
CLAY	9,900	9,100	200	200	28,400	25,200	10,323	11,694
CLINTON	12,800	12,200	1,100	1,200	34,800	32,000	13,208	15,503
COLE	16,500	15,600	2,200	2,300	37,000	33,900	14,717	17,135
COOPER	23,000	21,600	500	600	53,200	48,700	19,419	22,747
CRAWFORD	15,700	15,000	250	250	30,000	27,300	10,930	12,692
DADE	29,600	28,200	1,500	1,600	63,900	58,100	23,913	27,749
DALLAS	18,500	17,300	8,200	8,400	58,000	53,100	26,175	30,157
DAVIESS	12,300	11,700	900	900	27,900	25,600	10,601	12,361
DEKALB	13,700	13,400	1,200	1,100	33,300	31,500	12,735	15,205
DENT	18,800	18,200	300	300	38,200	35,800	13,905	16,624
DOUGLAS	25,500	24,600	8,300	8,600	71,800	67,200	31,193	36,761
DUNKLIN *	700	600			1,600	1,300	587	610
FRANKLIN	21,600	20,700	3,600	3,600	51,200	46,500	20,728	23,812
GASCONADE	13,800	13,200	700	700	28,400	25,800	10,650	12,315
GENTRY	18,300	18,300	300	250	36,800	35,500	13,403	16,452
GREENE	40,200	38,300	8,600	8,900	110,100	100,100	45,134	52,055
GRUNDY	10,400	10,100	1,100	1,100	23,100	23,100	9,009	11,353
HARRISON	26,000	24,800	1,100	1,000	51,900	47,700	19,345	22,564
HENRY	28,100	25,900	1,700	1,700	57,400	52,000	21,711	25,020
HICKORY	13,200	12,400	2,700	2,800	30,400	27,800	12,675	14,684
HOLT	5,500	5,300	150	150	12,700	11,700	4,656	5,469
HOWARD	14,700	13,400	400	400	30,400	27,000	11,171	12,658
HOWELL	35,600	34,400	6,700	6,900	104,500	97,800	41,882	49,618
IRON	5,600	5,400	50	50	12,500	11,700	4,519	5,400
JACKSON	11,200	10,400	1,300	1,300	23,500	21,500	9,283	10,758
JASPER	27,300	26,000	4,200	4,300	63,900	58,100	25,678	29,615
JEFFERSON	7,200	6,800	1,200	1,200	18,200	16,200	7,316	8,258
JOHNSON	34,600	32,300	2,400	2,300	73,300	67,100	27,875	32,360
KNOX	15,600	15,000	500	600	35,000	31,600	12,888	14,905
LACLEDE	25,900	24,400	10,200	10,500	74,100	67,900	33,260	38,396
LAFAYETTE	18,900	17,600	2,300	2,300	51,200	46,900	19,878	23,097
LAWRENCE	46,400	44,200	10,100	10,400	121,700	110,600	50,277	57,908
LEWIS	13,500	13,000	350	300	30,100	27,200	11,031	12,680
LINCOLN	11,500	10,900	2,000	2,000	33,000	29,700	13,150	15,002
LINN	19,500	19,000	1,000	1,000	44,100	44,100	16,480	20,914
LIVINGSTON	9,800	9,400	400	400	21,000	20,600	7,798	9,723
MCDONALD	26,100	24,900	2,600	2,700	58,500	53,200	22,694	26,262
MACON	22,000	21,500	500	500	44,500	44,500	16,297	20,752
MADISON	9,200	8,500	50	50	20,300	18,300	7,318	8,426
MARIES	20,600	19,300	600	600	41,800	38,300	15,393	17,978
MARION	10,700	10,300	1,000	1,000	26,000	23,500	9,985	11,468
MERCER	15,400	14,800	700	700	29,400	29,000	11,009	13,782

ALL CATTLE

BEEF AND MILK COWS:

by Counties, Missouri, January 1, 1987–88

COUNTY	BEEF COWS		MILK COWS		ALL CATTLE		ALL CATTLE VALUE	
	1987	1988	1987	1988	1987	1988	1987	1988
	-head-		-head-		-head-		-thousand dollars-	
MILLER	23,500	22,000	500	500	46,600	42,600	17,051	19,880
MISSISSIPPI *	1,400	1,200			3,200	2,800	1,155	1,291
MONITEAU	24,500	23,100	1,000	1,000	56,000	51,400	20,751	24,261
MONROE	15,900	15,300	600	700	37,500	33,900	13,850	16,029
MONTGOMERY	10,800	10,300	150	150	23,800	21,600	8,640	10,009
MORGAN	18,200	17,500	1,400	1,400	39,000	36,500	14,912	17,705
NEW MADRID *	1,200	1,100			2,600	2,300	940	1,062
NEWTON	35,400	34,100	4,800	5,000	79,300	72,800	31,597	36,840
NODAWAY	37,900	36,100	900	900	78,900	72,400	28,904	33,822
OREGON	23,900	23,100	1,800	1,900	57,700	54,000	21,884	26,076
OSAGE	29,600	27,400	2,100	2,200	60,800	54,800	23,193	26,650
OZARK	20,200	19,500	4,700	4,900	62,400	58,400	25,466	30,168
PEMISCOT *	600	500			2,300	2,000	832	924
PERRY	14,500	13,900	2,800	2,700	38,600	35,100	15,683	17,962
PETTIS	22,900	21,500	1,400	1,400	53,200	48,700	20,008	23,300
PHELPS	20,200	19,000	500	500	38,000	34,800	13,964	16,304
PIKE	17,300	16,600	600	500	40,300	36,400	14,855	17,037
PLATTE	8,600	7,800	150	150	18,100	15,800	6,594	7,349
POLK	36,100	34,600	10,200	10,500	100,700	94,000	42,806	50,365
PULASKI	13,600	13,200	400	500	29,400	27,800	10,813	13,094
PUTNAM	21,200	20,700	600	600	43,700	43,700	16,075	20,454
RALLS	10,400	10,000	350	300	22,000	19,900	8,124	9,333
RANDOLPH	11,100	11,200	500	500	23,500	24,300	8,761	11,489
RAY	15,900	15,200	200	150	36,300	33,300	13,158	15,374
REYNOLDS	7,000	6,700	50	50	13,300	12,400	4,806	5,721
RIPLEY	9,600	9,300	50	50	18,700	17,500	6,744	8,059
ST CHARLES	5,300	5,100	800	800	15,800	14,400	6,193	7,156
ST CLAIR	22,100	20,900	1,300	1,300	43,200	40,000	16,353	19,241
ST FRANCOIS	11,600	11,300	800	800	25,700	23,700	9,746	11,421
ST LOUIS	1,300	1,200	50	50	3,000	2,700	1,109	1,273
STE GENEVIEVE	11,800	11,300	450	450	28,000	25,500	10,343	12,004
SALINE	17,600	16,200	300	300	45,600	40,900	16,561	18,962
SCHUYLER	11,700	11,400	900	900	23,500	23,500	9,022	11,398
SCOTLAND	10,900	10,500	1,300	1,400	25,700	23,200	10,073	11,607
SCOTT	4,100	3,600	400	400	11,400	10,000	4,353	4,862
SHANNON	9,800	9,800	600	600	21,100	20,400	7,965	9,769
SHELBY	10,600	10,200	50	50	28,200	25,500	10,153	11,728
STODDARD	6,100	5,400	200	200	11,900	10,400	4,401	4,907
STONE	18,100	17,200	5,800	6,000	50,100	45,500	21,771	25,013
SULLIVAN	26,600	25,900	600	600	51,700	51,700	18,946	24,122
TANEY	13,600	13,100	900	900	28,900	27,000	10,960	13,003
TEXAS	36,000	34,800	8,600	8,900	99,000	92,700	41,150	48,662
VERNON	26,700	24,900	1,700	1,700	56,900	52,000	21,532	25,020
WARREN	6,500	6,200	250	250	14,800	13,500	5,475	6,363
WASHINGTON	9,400	9,100	50	50	19,500	18,000	7,031	8,289
WAYNE	6,400	6,200	50	50	14,000	13,100	5,057	6,042
WEBSTER	24,800	23,900	14,500	15,000	88,900	83,200	41,382	48,524
WORTH	13,900	13,300	150	150	26,500	24,300	9,608	11,247
WRIGHT	23,800	23,000	15,100	15,700	89,700	84,000	42,061	49,374
DISTRICTS								
NORTHWEST	220,000	210,000	10,300	10,200	490,000	450,000	182,585	213,403
NORTH CENTRAL	200,000	195,000	8,000	8,000	420,000	420,000	155,959	198,125
NORTHEAST	130,000	125,000	5,400	5,500	310,000	280,000	114,783	132,199
WEST CENTRAL	220,000	205,000	17,000	16,700	470,000	430,000	179,786	208,727
CENTRAL	410,000	385,000	47,500	48,900	950,000	870,000	371,985	432,756
EAST CENTRAL	141,000	135,000	13,100	13,000	330,000	300,000	126,994	146,556
SOUTHWEST	315,000	300,000	52,000	53,800	770,000	700,000	310,327	358,190
SOUTH CENTRAL	290,000	280,000	62,000	64,200	780,000	730,000	320,452	379,137
SOUTHEAST	35,000	31,000	3,700	3,700	80,000	70,000	31,129	34,657
STATE	**1,961,000**	**1,866,000**	**219,000**	**224,000**	**4,600,000**	**4,250,000**	**1,794,000**	**2,103,750**

*Milk cows, less than 25 head

CATTLE AND CALVES: Number on Farms, by Classes, Missouri, January 1, 1984-88

Class	1984	1985	1986	1987	1988
			-thousand head-		
All Cattle and Calves.....	5,200	4,850	4,800	4,600	**4,250**
All Cows That Have Calved.....	2,376	2,225	2,190	2,180	**2,090**
Beef Cows.....	2,122	2,000	1,955	1,961	**1,866**
Milk Cows.....	254	225	235	219	**224**
Heifers--500 Pounds & Over.	626	592	595	550	**520**
Beef Cow Replacements....	291	257	264	271	**245**
Milk Cow Replacements....	104	97	110	97	**95**
Other.....	231	238	221	182	**180**
Steers--500 Pounds & Over..	568	490	533	480	**440**
Bulls--500 Pounds & Over...	120	112	106	100	**100**
Calves Under 500 Pounds....	1,510	1,431	1,376	1,290	**1,100**

CATTLE AND CALVES: Inventory, Calf Crop and Disposition, Missouri, 1983-87 1/

Year	On Hand January 1		Calves Born	Inship-ments	Marketings 2/		Farm Slaughter Cattle and Calves	Deaths	
	All Cattle and Calves	All Cows That Have Calved			Cattle	Calves		Cattle	Calves
				-thousand head-					
1983	5,500	2,475	2,320	40	1,733	670	12	75	170
1984	5,200	2,376	2,200	40	1,708	639	13	70	160
1985	4,850	2,225	2,120	40	1,355	625	10	75	145
1986	4,800	2,190	2,100	40	1,382	742	11	70	135
1987	**4,600**	**2,180**	**1,970**	**35**	**1,388**	**760**	**12**	**65**	**130**

1/ Balance sheet estimates. Total of marketings, farm slaughter, deaths, and on-hand at end of year equals total of calf crop, inshipments and on-hand beginning of year.
2/ Excludes interfarm sales within the state.

CATTLE AND CALVES: Production and Income, Missouri, 1983-87

Year	Production	Marketings	Price per 100 lbs		Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
			Cattle	Calves				
	-thousand pounds-		-dollars-			-thousand dollars-		
1983	1,585,510	1,731,310	55.40	60.50	889,094	973,056	24,285	997,341
1984	1,432,765	1,682,130	53.50	58.50	778,285	912,962	22,766	935,728
1985	1,402,655	1,402,110	52.00	61.70	752,434	753,840	21,534	775,374
1986	1,345,740	1,461,880	50.80	60.80	711,130	772,981	20,359	793,340
1987	**1,299,910**	**1,489,670**	**61.40**	**75.70**	**833,386**	**959,105**	**24,322**	**983,427**

MILK COWS: Number on Farms, by Months, Missouri, 1983-87

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-thousand head-						
1983	252	252	253	254	256	256	256	254	254	254	254	254
1984	245	232	228	228	228	227	227	227	226	226	225	225
1985	225	224	225	230	233	235	235	235	235	235	235	235
1986	235	234	234	233	232	229	225	223	221	220	219	218
1987	**218**	**217**	**217**	**220**	**222**	**224**	**225**	**225**	**221**	**221**	**223**	**224**

MILK PRODUCTION: Average per Milk Cow, by Months, Missouri, 1983-87

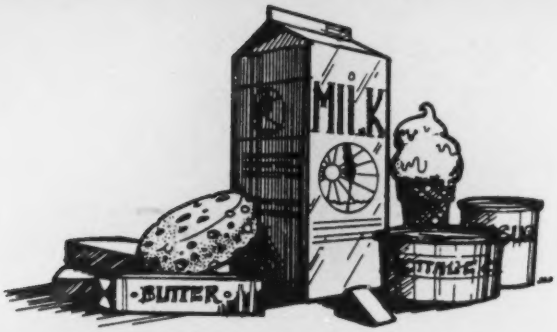
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-pounds-						
1983	970	890	1,030	1,040	1,130	1,070	1,070	1,030	1,000	1,010	970	990
1984	960	925	1,020	1,065	1,140	1,020	1,030	1,015	970	975	940	980
1985	980	890	1,020	1,080	1,150	1,070	1,090	1,070	1,020	1,030	985	990
1986	1,010	920	1,070	1,160	1,210	1,120	1,120	1,110	1,050	1,060	1,030	1,055
1987	**1,060**	**980**	**1,140**	**1,190**	**1,200**	**1,110**	**1,140**	**1,070**	**1,060**	**1,070**	**1,020**	**1,060**

MILK PRODUCTION: Total Milk Produced, by Months, Missouri, 1983-87

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-million pounds-						
1983	244	224	261	264	289	274	274	262	254	257	246	251
1984	235	215	233	243	260	232	234	230	219	220	212	221
1985	221	199	230	248	268	251	256	251	240	242	231	233
1986	237	215	250	270	281	256	252	248	232	233	226	230
1987	**231**	**213**	**247**	**262**	**266**	**249**	**257**	**241**	**234**	**236**	**227**	**237**

MILK COWS AND PRODUCTION OF MILK AND MILKFAT: Annual Averages, Missouri, 1983-87

Year	Milk Cows	Per Milk Cow		Milkfat Test	Total	
		Milk	Milkfat		Milk	Milkfat
	-thous head-	-pounds-		-percent-	-million pounds-	
1983	254	12,205	444	3.64	3,100	113
1984	229	12,026	440	3.66	2,754	101
1985	232	12,371	452	3.65	2,870	105
1986	227	12,907	467	3.63	2,930	106
1987	**221**	**13,122**	**479**	**3.65**	**2,900**	**106**



MILK DISPOSITION, INCOME AND VALUE: Missouri, 1983-87

Year	Milk Used Where Produced		Milk Marketed by Producers			Gross Producer Income	Value of Milk Produced
	Used For Milk, Cream and Butter	Fed to Calves	Milk Marketed	Price per Cwt.	Cash Receipts		
	-million pounds-			-dollars-		-thousand dollars-	
1983	13	32	3,055	13.30	406,315	408,044	412,300
1984	14	60	2,680	13.20	353,760	355,608	363,528
1985	14	43	2,813	12.50	351,625	353,375	358,750
1986	15	48	2,867	12.30	352,641	354,486	360,390
1987	**15**	**45**	**2,840**	**12.40**	**352,160**	**354,020**	**359,600**

MANUFACTURED DAIRY PRODUCTS: Quantity by Type, Missouri, 1983-87

Year	Butter	American Type Cheese	Total Cheese 1/	Creamed Cottage Cheese	Lowfat Cottage Cheese	Ice Cream 2/
			-thousand pounds-			-thous gal-
1983	32,512	71,265	138,322	25,812	5,875	19,436
1984	22,358	56,773	133,648	27,194	7,736	20,657
1985	23,151	59,120	141,386	24,340	8,469	19,242
1986	21,927	69,268	152,581	23,411	8,921	20,631
1987	**17,297**	**60,918**	**148,261**	**19,483**	**7,751**	**22,165**

1/ Excluding cottage cheese.
2/ Includes both hard and soft ice cream.

REFRIGERATED WAREHOUSES IN MISSOURI

	Oct 1, 1981	Oct 1, 1983	Oct 1, 1985	Oct 1, 1987
Number of Warehouses	30	31	45	45
Gross Refrigerated Space (cu ft)	47,746,000	53,684,000	62,905,000	71,381,000
Usuable Refrigerated Space (cu ft)	34,156,000	38,422,000	42,955,000	52,877,000

HONEY: Production and Value 1/

Year 2/	Production	Yield Per Colony	Price Per Pound	Value of Production	Number Colonies
	-thous. lb.-	-lbs.-	-cents-	-thous. dol.-	-thous.-
1986	1,590	53	46	731	30
1987	**1,950**	**65**	**47**	**917**	**30**

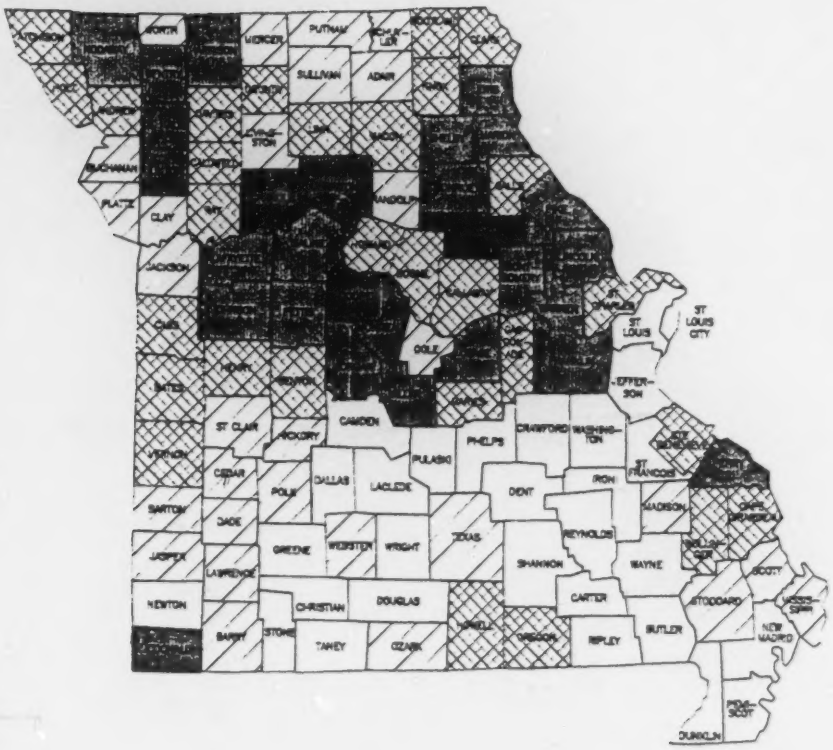
1/ For producers with more than five colonies.
2/ Estimates reinstated in 1986.

HOGS AND PIGS: Total Inventory, Breeding
And Market Numbers, Market Numbers by Weight Groups, Quarterly, Missouri, 1983-87

Year	Total Number	For Breeding	Total Market	Under 60 Lbs.	60-119 Lbs.	120-179 Lbs.	180 Lbs. & Over
			-thousand head-				
			March 1				
1983	3,300	545	2,755	1,130	683	584	358
1984	3,250	510	2,740	1,020	675	594	451
1985	3,000	450	2,550	975	640	535	400
1986	2,800	410	2,390	920	580	530	360
1987	**2,750**	**440**	**2,310**	**925**	**570**	**464**	**350**
			June 1				
1983	3,800	580	3,220	1,626	695	502	397
1984	3,450	520	2,930	1,470	635	460	365
1985	3,050	475	2,575	1,295	565	375	340
1986	2,900	400	2,500	1,215	580	380	325
1987	**3,000**	**450**	**2,550**	**1,325**	**540**	**360**	**325**
			September 1				
1983	3,700	525	3,175	1,381	756	587	451
1984	3,400	520	2,880	1,267	679	552	382
1985	3,100	475	2,625	1,150	640	465	370
1986	2,750	390	2,360	1,000	570	420	370
1987	**3,000**	**425**	**2,575**	**1,045**	**635**	**510**	**385**
			December 1				
1983	3,600	510	3,090	1,325	750	575	440
1984	3,450	470	2,980	1,273	730	554	423
1985	3,050	430	2,620	1,130	660	470	360
1986	2,850	420	2,430	990	600	470	370
1987	**2,950**	**435**	**2,515**	**1,020**	**610**	**485**	**400**

HOGS AND PIGS: Percents of Operations and Inventory,
By Size Groups, Missouri, 1983-87

Year	1-99 Head		100-499 Head		500 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory
			-percent-			
1983	68.2	15.0	25.9	43.3	5.9	41.7
1984	66.9	15.0	26.9	42.6	6.2	42.4
1985	65.2	14.8	28.7	44.7	6.1	40.5
1986	63.2	12.1	30.0	43.1	6.8	44.8
1987	**63.9**	**12.0**	**28.9**	**39.0**	**7.2**	**49.0**



HOG NUMBERS
By Counties, Dec. 1, 1987
Top Ten Counties

Lafayette.....108,900 head
Pike.....100,600 head
Nodaway.....90,200 head
Lincoln.....85,400 head
Audrain.....82,500 head
Osage.....81,400 head
Monroe.....74,800 head
Shelby.....72,600 head
Pettis.....67,900 head
Saline.....66,700 head

These top 10 counties represent 28.2% of the State's total hog numbers.

37,000 head and Above
20,000 – 36,999 head
7,500 – 19,999 head
Under 7,500 head

HOGS AND PIGS: Production and Income, Missouri, 1983-87

Year	Production	Marketings	Price per 100 Pounds	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	-thousand pounds-		-dollars-	-thousand dollars-			
1983	1,390,830	1,368,820	46.70	662,787	652,721	6,445	659,166
1984	1,297,710	1,311,781	47.40	625,213	632,061	5,013	637,074
1985	1,233,694	1,276,500	43.90	552,146	571,159	3,714	574,873
1986	1,109,867	1,115,039	49.20	555,888	558,670	3,542	562,212
1987	**1,139,650**	**1,117,901**	**50.70**	**590,093**	**579,344**	**3,285**	**582,629**

HOGS AND PIGS: Inventory, Pig Crop and Disposition, Missouri, 1983-87 1/

Year	On Hand December 1 Preceeding Year	Pig Crop		Inship-ments	Marketings 2/	Farm Slaughter	Deaths
		Dec-May	Jun-Nov	-thousand head-			
1983	3,500	3,238	3,312	8	6,148	20	290
1984	3,600	2,906	3,119	8	5,858	15	310
1985	3,450	2,708	2,801	8	5,683	12	222
1986	3,050	2,445	2,447	8	4,900	10	190
1987	**2,850**	**2,588**	**2,607**	**8**	**4,880**	**9**	**214**

1/ Balance sheet estimates. Total of marketings, farm slaughter, deaths and on-hand end of year equals total of pig crop, inshipments and on-hand beginning of year. Disposition items for the 12-month period December preceeding year through November of year shown.
2/ Excludes interfarm sales.

HOGS AND PIGS

ON FARMS, BY COUNTIES, MISSOURI, DECEMBER 1,1986–87

COUNTY	1986	1987	1986 VALUE	1987 VALUE	COUNTY	1986	1987	1986 VALUE	1987 VALUE
	-head-		-thousand dollars-			-head-		-thousand dollars-	
ADAIR	9,900	9,800	876	696	LINN	31,100	31,600	2,752	2,243
ANDREW	34,800	34,800	3,080	2,471	LIVINGSTON	16,500	16,200	1,460	1,150
ATCHISON	28,700	28,700	2,540	2,038	MCDONALD	38,500	41,400	3,407	2,939
AUDRAIN	78,000	82,500	6,903	5,857	MACON	34,100	35,000	3,018	2,485
BARRY	10,000	9,100	885	646	MADISON	10,100	11,200	894	795
BARTON	16,000	17,000	1,416	1,207	MARIES	19,800	20,600	1,752	1,463
BATES	21,400	23,100	1,894	1,640	MARION	35,900	38,000	3,177	2,698
BENTON	20,900	21,800	1,850	1,548	MERCER	12,700	12,900	1,124	916
BOLLINGER	20,200	22,300	1,788	1,583	MILLER	35,000	37,200	3,098	2,641
BOONE	24,900	25,400	2,204	1,803	MISSISSIPPI	13,600	13,600	1,204	966
BUCHANAN	16,900	16,900	1,496	1,200	MONITEAU	43,500	46,000	3,850	3,266
BUTLER	5,700	5,600	504	398	MONROE	70,200	74,800	6,213	5,311
CALDWELL	26,800	27,300	2,372	1,938	MONTGOMERY	50,600	49,900	4,478	3,543
CALLAWAY	26,000	27,100	2,301	1,924	MORGAN	35,000	37,800	3,098	2,684
CAMDEN	4,500	4,700	398	334	NEW MADRID	4,100	4,100	363	291
CAPE GIRARDEAU	35,900	36,000	3,177	2,556	NEWTON	6,900	7,300	611	518
CARROLL	49,800	50,700	4,407	3,600	NODAWAY	90,200	90,200	7,983	6,404
CARTER	3,400	3,700	301	263	OREGON	23,500	26,200	2,080	1,860
CASS	23,900	26,400	2,115	1,874	OSAGE	77,400	81,400	6,850	5,779
CEDAR	11,600	12,600	1,027	895	OZARK	6,600	7,600	584	540
CHARITON	49,500	50,700	4,381	3,600	PEMISCOT	300	300	27	21
CHRISTIAN	5,500	5,600	487	398	PERRY	42,700	42,100	3,779	2,989
CLARK	31,200	33,000	2,761	2,343	PETTIS	64,400	67,900	5,699	4,821
CLAY	9,900	9,400	876	667	PHELPS	6,800	7,100	602	504
CLINTON	40,400	40,400	3,575	2,868	PIKE	95,700	100,600	8,469	7,143
COLE	17,500	18,300	1,549	1,299	PLATTE	9,900	9,400	876	667
COOPER	59,900	62,500	5,301	4,438	POLK	12,400	13,000	1,097	923
CRAWFORD	7,100	7,000	628	497	PULASKI	5,100	5,300	451	376
DADE	17,100	17,800	1,513	1,264	PUTNAM	8,200	8,700	726	618
DALLAS	5,700	5,300	504	376	RALLS	34,300	36,900	3,036	2,620
DAVIESS	31,500	31,500	2,788	2,237	RANDOLPH	18,400	18,800	1,629	1,335
DEKALB	37,100	37,100	3,283	2,634	RAY	25,800	25,800	2,283	1,832
DENT	4,600	5,100	407	362	REYNOLDS	6,300	7,000	557	497
DOUGLAS	5,500	6,000	487	426	RIPLEY	6,000	6,300	531	447
DUNKLIN	2,000	2,000	177	142	ST CHARLES	35,500	35,100	3,142	2,492
FRANKLIN	60,000	60,100	5,310	4,267	ST CLAIR	16,000	17,400	1,416	1,236
GASCONADE	26,900	26,500	2,381	1,882	ST FRANCOIS	3,900	3,900	345	277
GENTRY	43,700	44,200	3,867	3,138	ST LOUIS	800	800	71	57
GREENE	7,100	7,400	628	525	STE GENEVIEVE	31,200	30,800	2,761	2,187
GRUNDY	21,200	21,600	1,876	1,534	SALINE	64,400	66,700	5,699	4,736
HARRISON	37,600	37,600	3,328	2,670	SCHUYLER	10,400	10,600	921	752
HENRY	27,500	30,000	2,434	2,130	SCOTLAND	31,700	33,000	2,805	2,343
HICKORY	7,300	7,700	646	547	SCOTT	10,300	10,300	911	731
HOLT	21,200	21,200	1,876	1,505	SHANNON	2,900	3,100	257	220
HOWARD	26,600	27,100	2,354	1,924	SHELBY	68,700	72,600	6,080	5,155
HOWELL	18,800	20,800	1,664	1,477	STODDARD	13,100	13,100	1,159	930
IRON	800	900	71	64	STONE	3,400	3,500	301	249
JACKSON	11,300	12,300	1,000	873	SULLIVAN	13,200	13,400	1,168	951
JASPER	9,100	9,200	805	653	TANEY	2,200	2,500	195	178
JEFFERSON	3,600	3,500	319	248	TEXAS	8,400	9,100	743	646
JOHNSON	41,200	45,000	3,646	3,195	VERNON	22,300	24,300	1,974	1,725
KNOX	32,200	34,100	2,850	2,421	WARREN	40,300	39,800	3,567	2,826
LACLEDE	7,900	7,100	699	504	WASHINGTON	5,100	5,100	451	362
LAFAYETTE	99,800	108,900	8,832	7,732	WAYNE	5,700	6,400	504	454
LAWRENCE	11,400	11,700	1,009	831	WEBSTER	9,000	10,100	796	717
LEWIS	42,100	44,500	3,726	3,159	WORTH	15,500	15,500	1,372	1,101
LINCOLN	87,300	85,400	7,726	6,063	WRIGHT	6,000	6,700	531	476
DISTRICTS									
NORTHWEST	470,000	470,000	41,595	33,370	EAST CENTRAL	395,000	390,000	34,958	27,690
NORTH CENTRAL	275,000	280,000	24,338	19,880	SOUTHWEST	125,000	130,000	11,062	9,230
NORTHEAST	520,000	550,000	46,020	39,050	SOUTH CENTRAL	140,000	155,000	12,390	11,005
WEST CENTRAL	275,000	300,000	24,338	21,300	SOUTHEAST	85,000	85,000	7,522	6,035
CENTRAL	565,000	590,000	50,002	41,890					
					STATE	**2,850,000**	**2,950,000**	**252,225**	**209,450**

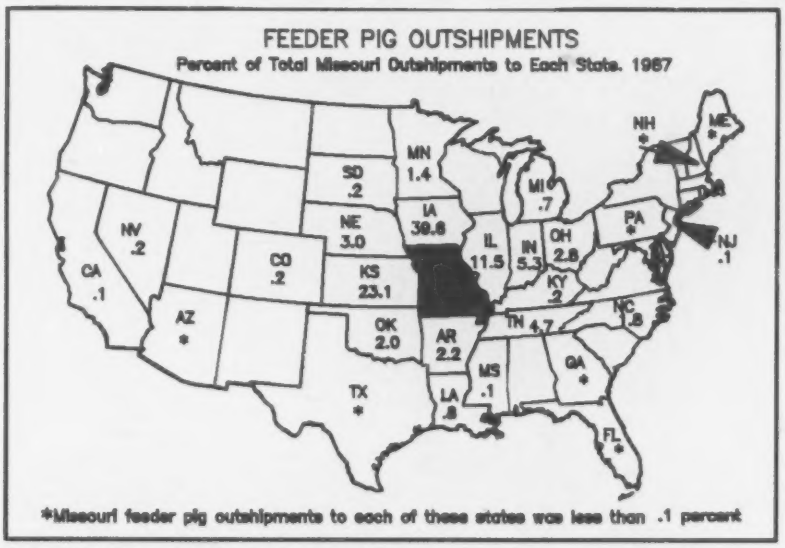
SPRING PIG CROP: Sows Farrowed, Pigs Per Litter and Pig Crop, Missouri, 1983-87

Year	Sows Farrowed			Pigs Per Litter			Pig Crop		
	Dec 1/-Feb	Mar-May	Dec-May	Dec-Feb	Mar-May	Dec-May	Dec-Feb	Mar-May	Dec-May
	-thousands-			-head-			-thousands-		
1983	185	245	430	7.30	7.70	7.53	1,351	1,887	3,238
1984	170	225	395	7.10	7.55	7.36	1,207	1,699	2,906
1985	160	200	360	7.30	7.70	7.52	1,168	1,540	2,708
1986	140	180	320	7.50	7.75	7.64	1,050	1,395	2,445
1987	**145**	**200**	**345**	**7.50**	**7.50**	**7.50**	**1,088**	**1,500**	**2,588**

1/ December preceding year.

FALL PIG CROP: Sows Farrowed, Pigs Per Litter and Pig Crop, Missouri, 1983-87

Year	Sows Farrowed			Pigs per Litter			Pig Crop		
	Jun-Aug	Sep-Nov	Jun-Nov	Jun-Aug	Sep-Nov	Jun-Nov	Jun-Aug	Sep-Nov	Jun-Nov
	-thousands-			-head-			-thousands-		
1983	225	230	455	7.10	7.45	7.28	1,598	1,714	3,312
1984	200	220	420	7.40	7.45	7.43	1,480	1,639	3,119
1985	175	200	375	7.55	7.40	7.47	1,321	1,480	2,801
1986	150	170	320	7.70	7.60	7.65	1,155	1,292	2,447
1987	**165**	**185**	**350**	**7.50**	**7.40**	**7.45**	**1,238**	**1,369**	**2,607**



FEEDER PIGS SHIPPED OUT OF MISSOURI, By Months, 1983-87 1/

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	-number of head-												
1983	74,545	36,036	53,866	67,899	85,300	91,522	70,766	50,068	65,607	55,736	62,532	78,451	792,328
1984	60,015	43,256	53,869	49,188	74,530	75,188	55,011	75,677	61,968	63,147	54,766	80,386	747,001
1985	82,966	48,000	47,054	54,330	77,107	73,647	70,783	45,356	36,809	51,770	40,291	59,007	687,120
1986	50,763	32,288	36,368	43,963	57,074	61,473	58,090	37,464	36,477	41,274	27,793	44,984	528,011
1987	**45,242**	**25,806**	**43,463**	**43,992**	**50,324**	**50,803**	**40,081**	**41,991**	**36,496**	**33,443**	**28,488**	**48,001**	**489,130**

1/ Source: Missouri Department of Agriculture, Animal Health Division.

SHEEP AND LAMBS: Number on Farms, by Classes and Lamb Crop, Missouri, January 1, 1984-88

Year	All Sheep & Lambs	Sheep & Lambs on Feed	Stock Sheep					Lamb Crop
			Lambs		1 Year & Older			
			Ewes	Rams & Wethers	Ewes	Rams & Wethers	Total	
			-thousand head-					
1984	128	18	12	4	90	4	110	117
1985	123	16	11	3	89	4	107	105
1986	101	10	12	3	72	4	91	108
1987	110	8	13	5	80	4	102	100
1988	**103**	**11**	**10**	**2**	**76**	**4**	**92**	—

SHEEP AND LAMBS: Number on Farms and Value, by Districts, Missouri, January 1, 1986-88

District	1986 Total		1987 Total		1988 Total	
	Number	Value	Number	Value	Number	Value
	-thous-	-thous dol-	-thous-	-thous dol-	-thous-	-thous dol-
Northwest	19.5	1,141	21.2	1,389	19.9	1,801
North Central	29.0	1,697	31.4	2,056	29.1	2,634
Northeast	19.7	1,153	21.0	1,376	19.7	1,783
West Central	6.3	369	7.1	465	6.7	606
Central	12.6	737	13.8	904	12.9	1,168
East Central	5.7	333	6.1	400	5.8	525
Southwest	3.7	216	4.4	288	4.2	380
South Central & Southeast	4.5	263	5.0	327	4.7	425
State	**101.0**	**5,909**	**110.0**	**7,205**	**103.0**	**9,322**

SHEEP AND LAMBS: Production and Income, Missouri, 1983-87

Year	Production	Marketings	Price per 100 lbs.		Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
			Sheep	Lambs				
	-thousand pounds-		-dollars-		-thousand dollars-			
1983	8,145	8,981	14.50	48.50	3,678	3,761	121	3,882
1984	9,051	9,492	16.00	57.50	4,846	5,043	144	5,187
1985	8,035	10,746	25.00	65.50	4,949	5,781	147	5,928
1986	8,000	7,465	30.50	68.00	5,190	4,924	153	5,077
1987	**7,985**	**8,757**	**37.00**	**76.00**	**5,492**	**5,918**	**180**	**6,098**

WOOL: Production and Value, Missouri, 1983-87

Year	Sheep Shorn	Weight Per Fleece	Wool Produced	Season Average Price Per Pound	Value of Production
	-thous head-	-pounds-	-thous lbs-	-cents-	-thous dol-
1983	140	6.7	936	41	384
1984	132	7.2	944	58	548
1985	102	7.0	711	43	306
1986	101	7.1	715	46	329
1987	**118**	**7.0**	**830**	**57**	**473**

LAYERS ON FARMS: Average Number, by Months, Missouri, 1983-87

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-thousands-						
1983	6,025	5,800	5,650	5,425	5,350	5,350	5,301	5,151	5,076	5,227	5,452	5,701
1984	5,775	5,876	5,807	5,707	5,675	5,640	5,741	5,776	5,850	5,900	6,000	6,051
1985	5,826	5,576	5,526	5,535	5,498	5,468	5,466	5,565	5,731	5,900	6,000	5,950
1986	5,920	5,899	5,831	5,870	5,860	5,750	5,730	5,760	5,890	6,050	6,200	6,300
1987	**6,300**	**6,320**	**6,240**	**6,060**	**5,975**	**6,095**	**6,220**	**6,210**	**6,250**	**6,500**	**6,900**	**7,000**

EGG PRODUCTION: Eggs per 100 Layers, by Months, Missouri 1983-87

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-number of eggs-						
1983	2,124	1,948	2,159	2,065	2,075	1,963	2,056	2,097	2,049	1,990	1,908	2,035
1984	1,974	1,923	2,135	2,015	1,974	1,791	1,846	1,939	1,880	2,000	1,933	2,000
1985	1,957	1,775	2,009	2,005	2,092	1,993	1,994	1,977	1,954	2,051	1,983	1,916
1986	1,824	1,780	2,127	2,044	2,099	1,983	1,972	2,031	1,935	2,000	2,000	2,095
1987	**2,079**	**1,883**	**2,131**	**2,096**	**2,092**	**1,936**	**1,994**	**2,029**	**1,984**	**2,015**	**1,957**	**1,971**

EGG PRODUCTION: Number of Eggs Produced, by Months, Missouri, 1983-87

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-million eggs-						
1983	128	113	122	112	111	105	109	108	104	104	104	116
1984	114	113	124	115	112	101	106	112	110	118	116	121
1985	114	99	111	111	115	109	109	110	112	121	119	114
1986	108	105	124	120	123	114	113	117	114	121	124	132
1987	**131**	**119**	**133**	**127**	**125**	**118**	**124**	**126**	**124**	**131**	**135**	**138**

EGG-TYPE CHICKS: Number Hatched at Commercial Hatcheries, By Months, Missouri, 1983-87

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
							-thousands-						
1983	794	960	1,506	1,628	1,771	1,401	841	840	548	623	604	753	12,269
1984	716	1,034	1,797	1,769	1,544	1,392	1,090	858	513	594	647	585	12,539
1985	632	795	1,318	1,484	1,354	1,095	1,097	650	703	874	689	714	11,405
1986	655	722	1,528	1,815	1,448	1,056	1,236	1,087	980	727	672	650	12,576
1987	**762**	**866**	**1,521**	**1,174**	**1,393**	**1,424**	**1,168**	**1,118**	**746**	**730**	**902**	**939**	**12,743**

EGGS: Production and Value, Missouri, 1983-87 1/

Year	Eggs Produced	Price Per Dozen	Value of Production
	-millions-	-cents-	-thous. dol.-
1983	1,352	49.3	55,544
1984	1,357	61.0	68,981
1985	1,351	43.0	48,411
1986	1,397	46.0	53,552
1987	**1,525**	**39.6**	**50,325**

1/ Estimates cover the 12 month period, Dec. 1 previous year through Nov. 30.

CHICKENS: Number on Farms, by Classes, Missouri, December 1, 1983-87

Year	All Chickens (Except Broilers)	Hens and Pullets of Laying Age			Pullets Not of Laying Age		Other Chickens
		Hens 1 Year & Older	Pullets of Laying Age	Total	3 Months Old or Older	Under 3 Months Old	
		-thousand head-					
1983	7,000	2,500	3,100	5,600	490	840	70
1984	7,700	2,400	3,700	6,100	530	1,000	70
1985	7,700	2,100	3,900	6,000	650	1,000	50
1986	8,000	2,700	3,600	6,300	750	870	80
1987	**8,700**	**2,500**	**4,600**	**7,100**	**1,000**	**500**	**100**

CHICKENS: Lost, Sold, and Value of Sales, Missouri, 1983-1987 1/

Year	Number Lost 2/	Number Sold	Pounds Sold	Price Per Pound	Value of Sales
	-thousand head-		-thous lbs-	-cents-	-thous dol-
1983	1,200	5,740	37,884	11.0	4,167
1984	1,100	5,340	33,642	17.0	5,719
1985	1,100	5,000	32,000	13.0	4,160
1986	1,100	4,000	25,600	12.0	3,072
1987	**1,100**	**5,000**	**31,500**	**13.0**	**4,095**

1/ Estimates cover the 12 month period, December 1 previous year through November 30 and excludes broilers.
2/ Includes deaths and other losses during the 12 month period.

TURKEYS: Production and Value, Missouri, 1983-87

Year	Number Raised 1/	Pounds Produced 2/	Price Per Pound 3/	Value of Production
	-thous hd-	-thous lbs-	-cents-	-thous dol-
1983	13,000	250,900	38.0	95,342
1984	12,000	225,600	46.0	103,776
1985	12,500	242,500	44.0	106,700
1986	13,500	260,550	45.0	117,248
1987	**15,500**	**310,000**	**35.0**	**108,500**

1/ Based on turkeys placed Sept. 1 previous year through Aug. 31 current year. Excludes young turkeys lost.
2/ Includes home consumption.
3/ Live weight equivalent price.

COMMERCIAL LIVESTOCK SLAUGHTER: Number of Head and Liveweight, By Species, by Month, Missouri, 1986-87

Month	Cattle						Calves					
	Number		Average Liveweight		Total Liveweight		Number		Average Liveweight		Total Liveweight	
	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987
	-thous head-		-pounds-		-thous pounds-		-thous head-		-pounds-		-thous pounds-	
Jan	45.2	39.4	999	985	45,125	38,838	0.9	0.9	263	300	231	256
Feb	29.0	33.0	1,013	1,072	29,359	35,318	0.7	0.6	261	271	181	153
Mar	35.1	29.9	1,018	1,067	35,775	31,944	0.7	0.5	266	261	179	143
Apr	41.7	29.8	1,017	1,044	42,357	31,065	0.9	0.5	226	327	202	155
May	41.9	30.1	1,020	1,023	42,777	30,825	0.9	0.5	220	258	195	125
Jun	37.6	29.8	1,042	1,044	39,204	31,121	0.7	0.4	283	299	185	111
Jul	39.4	26.1	1,046	1,073	41,202	28,038	0.7	0.4	281	226	195	94
Aug	36.4	27.7	1,029	1,075	37,502	29,764	0.7	0.4	276	231	182	81
Sep	37.9	35.9	1,059	1,084	40,127	38,958	0.7	0.5	261	249	174	113
Oct	40.2	39.6	1,031	1,057	41,429	41,841	0.6	0.6	302	238	189	134
Nov	39.6	34.6	1,017	1,070	40,330	36,997	0.6	0.4	308	245	191	103
Dec	46.8	34.4	1,011	1,069	47,282	36,827	0.7	0.5	319	270	210	131
Total	470.9	390.4	1,025	1,054	482,470	411,535	8.6	6.0	269	267	2,314	1,599

Month	Hogs						Sheep and Lambs					
	Number		Average Liveweight		Total Liveweight		Number		Average Liveweight		Total Liveweight	
	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987
	-thous head-		-pounds-		-thous pounds-		-thous head-		-pounds-		-thous pounds-	
Jan	280.6	316.2	253	257	70,926	81,416	1.3	1.6	112	104	145	162
Feb	247.3	268.8	249	254	61,493	68,278	1.2	1.0	122	103	144	103
Mar	306.1	339.2	247	250	75,702	84,786	1.7	1.0	110	111	184	111
Apr	344.8	330.0	251	250	86,454	82,362	0.8	1.2	113	109	87	128
May	310.4	309.1	255	249	70,015	77,104	1.3	0.9	119	104	158	97
Jun	266.8	283.4	252	246	67,360	69,637	1.5	1.2	109	104	161	122
Jul	292.2	294.3	248	242	72,472	71,099	1.7	1.2	110	110	191	129
Aug	271.0	295.1	246	236	66,603	69,737	2.2	1.3	109	104	236	131
Sep	317.0	331.9	252	241	79,846	79,860	1.5	1.2	108	109	162	136
Oct	384.4	390.9	253	246	97,283	96,131	1.2	1.2	98	108	122	125
Nov	297.3	348.6	256	250	76,169	87,011	1.3	0.9	105	105	139	92
Dec	314.3	366.9	258	247	81,129	90,770	1.3	1.2	108	107	138	128
Total	3,632.3	3,874.2	252	247	914,453	958,189	17.0	13.7	110	107	1,866	1,462

LIVESTOCK SLAUGHTER: Number of Federally Inspected Plants and Head Slaughtered, Missouri, 1983-87

Year	Cattle		Hogs	
	Plants	Head Slaughtered	Plants	Head Slaughtered
	-number-	-thousands-	-number-	-thousands-
1983	114	701.8	108	1/
1984	121	489.1	110	3,356.4
1985	115	376.5	105	3,179.1
1986	111	419.9	104	3,580.1
1987	**107**	**346.5**	**99**	**3,818.4**

1/ Not published to avoid individual plant disclosure.

LIVESTOCK SLAUGHTER: Type of Market Outlet 1/ Missouri, 1986 2/

	Direct Purchases	Terminal Markets	Auction Markets
		-percent-	
Cattle	54.2	10.4	35.4
Calves	2.7	22.0	75.3
Hogs	78.9	17.9	3.2
Sheep & Lambs	0.1	19.2	80.7

1/ Directs are purchases at packing plants, buying stations, country points, feedlots, etc. Terminals have more than one market agency selling on commission while auctions have only one.
2/ Location of the slaughter plants, but not necessarily the origin of the livestock.

Source: USDA, Packers and Stockyards Administration

FARM INCOME AND PRICES

1987

FARM INCOME AND PRICES

by Carl Scott

CASH RECEIPTS: Missouri farm marketings for 1987 totaled $3.55 billion, an increase of 1 percent from 1986. This is the first year since 1979 that cash receipts have shown an increase. Crop receipts were $1.48 billion, down 7 percent from a year ago. Livestock and livestock products receipts were $2.07 billion, up 7 percent from 1986.

LIVESTOCK PRICES: Marketing year average prices for hogs were up from $49.20 per hundredweight in 1986 to $50.70 in 1987. The peak price was $59.30 in July. Beef cattle prices were up with last year's marketing year average price of $61.40 per hundredweight being an increase of $10.60 over 1986. The beef cattle price peaked at $66.80 in November. Cows averaged $44.10, up from 1986's $36.90, with a peak price of $47.00 that occurred in September. Steer and heifer average price was $69.00, up from $57.30 in 1986, with a peak price of $73.70 in November. Calf prices were also up at $75.70 compared to $60.80 in 1986. Marketing year average price for sheep was at an all-time high of $37.00 per hundredweight in 1987, up from $30.50 in 1986. Milk prices averaged $12.40 per hundredweight, up 10 cents. All egg prices averaged 39.6 cents per dozen, down from 46.0 cents in 1986.

CROP PRICES: In the 1987 marketing year, crop prices were generally higher than in 1986. Corn prices averaged $1.70 per bushel for the marketing year, up from $1.45 in 1986. Corn prices for the calendar year peaked in June and fell to $1.42 in August. Soybean prices averaged $5.50 per bushel during the 1987 marketing year (up 89 cents over 1986) with a high of $5.65 in December and a low of $4.41 in January for the calendar year. Winter wheat prices ranged during the calendar year from $2.80 per bushel in March to a low of $2.32 in July, with an overall marketing year average of $2.55, up 18 cents. All hay prices ranged during the calendar year from $60.00 a ton in December to $55.00 in February with an overall marketing year average price of $58.50, up $3.50 over 1986.

Grain sorghum prices averaged $2.70 per hundredweight for the marketing year, up 47 cents from 1986. Sorghum prices peaked at $2.82 in December and fell to $2.06 in January during the calendar year.

EXPORT VALUES: The value of Missouri agricultural exports totaled $897.6 million in 1987 compared to $897.0 million in 1986. Soybeans and soybean products totaled $508.4 million, up from $479.7 million in 1986. Feed grains and products were second in importance with an export value of $190.1 million. Missouri ranked as the 11th leading export state (see the table on page 65). Missouri's leading export commodities were the following: soybeans (3rd leading state), rice (6th), feed grains (9th), and dairy products (9th).

FARM FINANCE: The debt-to-asset ratio for all farms in Missouri for 1986 was 0.209 compared to 0.223 in 1985. The debt-to-asset ratio is considered a primary measure of whether a farm will have cash flow difficulties. It is computed by dividing the total of all debts by the total of all assets. As a general rule, farmers with debt-to-asset ratios of less than 0.40 do not have serious financial problems. Based on 1986 data, 15.5% of Missouri farms had a debt-to-asset ratio above 0.40.

PRICES RECEIVED: Average Prices Received by Farmers For Principal Commodities, Missouri, 1983-87 1/

Commodity	1983	1984	1985	1986	1987
			-dollars-		
Calves, cwt.	60.50	58.50	61.70	60.80	**75.70**
Beef Cattle, cwt.	55.40	53.50	52.00	50.80	**61.40**
Hogs, cwt.	46.70	47.40	43.90	49.20	**50.70**
Milk, Wholesale, All, cwt.	13.30	13.20	12.50	12.30	**12.40**
Eggs (all), doz.	.493	.610	.430	.460	**.396**
Turkeys, lb.	.380	.460	.440	.450	**.350**
Broilers, lb.	.290	.340	.310	.345 2/	**.287 2/**
Soybeans, bu.	7.87	5.84	4.96	4.61	**5.50**
Corn, bu.	3.40	2.69	2.14	1.45	**1.70**
Wheat (winter), bu.	3.34	3.19	2.88	2.37	**2.55**
Grain Sorghum, cwt.	5.30	4.10	3.35	2.23	**2.70**
All Hay, ton	67.50	69.00	60.50	55.00	**58.50**
Cotton, lb.	.685	.585	.575	.515	**.660**
Cottonseed, ton	162.00	86.50	52.00	63.00	**71.00**
Oats, bu.	2.15	2.25	1.33	1.05	**1.55**
Tobacco, lb.	1.790	1.857	1.580	1.548	**1.568**
Rye, bu.	3.10	3.00	2.50	1.75	**1.85**
Rice, cwt.	9.49	8.70	7.05	3.57	**7.50 2/**

1/ Price is marketing year average price. Prices prior to 1986 include allowances for crops under loan valued at the loan rate.
2/ Price based on U.S. price.

PRICES RECEIVED: Prices Received by Farmers for Specified Commodities, By Months, Missouri, 1983-87

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						All Farm Products Index						
						1977=100%						
1983	125	129	129	130	130	127	127	135	136	133	132	135
1984	138	136	139	138	138	136	132	129	125	121	126	124
1985	124	125	139	123	119	118	118	112	109	112	114	112
1986	111	113	113	110	113	113	117	119	115	111	112	109
1987	**111**	**115**	**116**	**118**	**120**	**122**	**123**	**123**	**124**	**120**	**121**	**121**
						All Hogs						
						-dollars per cwt-						
1983	55.70	56.30	50.40	46.70	46.10	44.10	43.60	47.20	44.40	40.40	37.70	44.80
1984	49.10	46.00	46.20	47.80	47.50	49.30	52.30	51.00	46.10	43.70	47.10	48.40
1985	47.70	48.40	43.30	40.90	41.40	44.50	45.60	42.20	39.80	43.00	43.40	45.30
1986	44.00	42.50	40.10	39.50	46.00	52.60	58.60	61.60	57.10	52.80	52.20	49.50
1987	**46.40**	**47.56**	**47.20**	**50.90**	**54.10**	**58.60**	**59.30**	**58.80**	**53.50**	**48.40**	**40.30**	**40.20**
						Barrows and Gilts						
						-dollars per cwt-						
1983	56.50	56.70	50.50	46.90	46.50	45.20	45.00	48.80	45.10	40.70	38.40	45.80
1984	49.80	46.20	46.40	48.10	47.90	50.10	53.60	52.10	46.70	44.10	47.70	49.60
1985	48.50	48.70	43.40	40.90	41.70	45.50	46.90	43.00	40.30	43.80	43.90	46.60
1986	45.10	43.20	40.30	39.60	46.60	53.90	60.50	62.80	57.60	53.20	52.80	50.90
1987	**46.90**	**48.30**	**47.80**	**51.40**	**55.00**	**60.90**	**61.30**	**60.40**	**54.10**	**48.80**	**40.90**	**41.20**

PRICES RECEIVED: Prices Received by Farmers for Specified Commodities, By Months, Missouri, 1983-87 (Cont.)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						Sows						
						-dollars per cwt-						
1983	49.60	53.60	48.90	44.80	41.60	36.10	34.70	37.90	39.70	36.70	32.70	37.50
1984	44.60	44.40	44.60	45.60	43.90	42.60	44.40	43.70	41.90	40.10	41.80	40.10
1985	41.10	46.20	42.30	41.30	37.70	37.50	37.10	36.40	35.30	37.40	38.90	37.70
1986	37.70	38.40	38.30	38.80	41.50	45.70	50.00	54.90	54.30	49.60	47.80	42.10
1987	**43.60**	**42.20**	**42.30**	**45.80**	**46.50**	**46.00**	**47.80**	**49.50**	**48.90**	**44.60**	**35.00**	**31.60**
						Beef Cattle						
						-dollars per cwt-						
1983	54.90	57.90	59.80	59.90	59.70	56.90	55.10	53.80	51.70	51.00	51.50	51.90
1984	53.10	57.40	56.30	55.60	53.80	51.50	51.60	52.00	53.40	50.10	53.10	51.30
1985	51.90	55.20	54.70	56.40	52.60	50.20	48.10	49.10	48.90	51.00	52.20	47.50
1986	50.40	50.30	51.00	48.40	47.50	46.20	50.40	54.20	53.60	51.60	51.90	49.60
1987	**54.60**	**58.00**	**59.60**	**60.70**	**58.80**	**59.30**	**61.00**	**63.60**	**66.20**	**64.00**	**66.80**	**63.50**
						Steers and Heifers						
						-dollars per cwt-						
1983	58.90	61.60	63.30	64.30	63.80	61.60	58.90	57.30	55.50	55.10	56.30	58.60
1984	60.90	62.90	62.50	60.90	59.90	57.80	58.20	58.10	59.00	57.80	60.60	60.10
1985	61.60	63.80	61.00	61.20	58.90	56.70	52.80	54.30	54.00	56.50	57.40	55.40
1986	57.50	56.80	56.30	53.50	52.90	52.20	55.90	59.60	59.90	59.00	59.10	58.80
1987	**61.50**	**64.90**	**65.50**	**67.90**	**68.00**	**68.80**	**68.70**	**71.20**	**73.60**	**72.20**	**73.70**	**71.60**
						Cows						
						-dollars per cwt-						
1983	38.50	43.30	44.10	40.20	42.40	40.50	40.50	36.40	35.30	34.10	32.90	31.70
1984	37.30	40.60	40.60	40.10	39.60	39.40	38.60	36.80	34.30	35.10	33.20	33.10
1985	38.00	41.40	42.40	41.10	40.90	38.60	36.10	35.90	34.50	34.00	33.90	33.50
1986	34.50	38.80	39.00	35.90	36.60	37.30	36.70	36.80	39.00	37.50	34.90	36.50
1987	**40.60**	**43.80**	**44.70**	**44.40**	**43.30**	**44.20**	**44.60**	**44.40**	**47.00**	**44.50**	**44.40**	**45.10**
						Calves						
						-dollars per cwt-						
1983	60.90	66.20	67.10	64.60	65.80	63.10	56.80	53.40	53.40	54.30	58.30	56.70
1984	57.40	62.00	61.00	61.20	60.10	56.60	56.00	55.70	55.20	55.70	58.30	57.30
1985	61.50	64.60	65.50	67.10	65.60	61.10	57.20	59.80	58.20	58.20	59.50	56.00
1986	60.20	62.60	61.90	59.20	58.40	55.40	58.90	63.20	62.10	61.40	61.20	60.90
1987	**65.20**	**69.80**	**72.00**	**74.90**	**74.30**	**73.80**	**77.50**	**81.90**	**82.60**	**78.40**	**80.10**	**80.00**
						Turkeys						
						-cents per pound-						
1983	29.0	30.0	33.0	32.0	37.0	39.0	38.0	37.0	44.0	44.0	45.0	50.0
1984	42.0	40.0	40.0	41.0	41.0	41.0	43.0	46.0	48.0	54.0	59.0	62.0
1985	47.0	36.0	36.0	35.0	35.0	38.0	42.0	46.0	50.0	56.0	56.0	56.0
1986	33.0	34.0	36.0	38.0	41.0	47.0	51.0	52.0	52.0	53.0	51.0	39.0
1987	**34.0**	**35.0**	**38.0**	**35.0**	**37.0**	**34.0**	**34.0**	**33.0**	**31.0**	**29.0**	**41.0**	**42.0**
						Market Eggs						
						-cents per dozen-						
1983	39.1	43.0	44.8	42.7	49.4	44.1	41.8	48.9	52.4	58.1	69.4	76.1
1984	90.1	81.7	63.7	84.6	53.7	44.9	45.7	43.0	42.4	38.3	47.9	44.5
1985	31.3	32.3	40.5	36.4	32.9	38.9	36.1	44.1	48.7	50.2	53.7	50.0
1986	48.8	44.4	49.9	37.4	37.7	30.8	40.8	47.8	47.9	40.3	51.1	50.1
1987	**40.3**	**40.3**	**37.7**	**39.3**	**31.0**	**30.3**	**33.2**	**30.5**	**47.5**	**30.8**	**38.3**	**28.6**

PRICES RECEIVED: Prices Received by Farmers for Specified Commodities, By Months, Missouri, 1983-87 (Cont.)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
					Milk, Wholesale, All							
					-dollars per cwt-							
1983	13.70	13.60	13.40	13.40	12.90	12.90	12.90	12.90	13.10	13.50	13.70	13.80
1984	13.70	13.20	13.10	12.80	12.50	12.70	12.70	12.80	13.30	13.70	14.00	14.00
1985	14.00	13.70	13.10	12.50	12.20	11.90	11.80	11.80	12.00	12.40	12.50	12.60
1986	12.40	12.30	12.00	11.70	11.80	11.70	11.80	12.00	12.40	12.90	13.30	13.40
1987	**13.30**	**13.00**	**12.50**	**12.30**	**11.80**	**11.80**	**11.80**	**12.00**	**12.50**	**12.80**	**12.80**	**12.70**
					Corn							
					-dollars per bushel-							
1983	2.45	2.63	2.81	3.21	3.20	3.25	3.31	3.60	3.45	3.33	3.42	3.39
1984	3.31	3.25	3.33	3.53	3.56	3.63	3.53	3.37	2.83	2.66	2.61	2.58
1985	2.65	2.68	2.75	2.79	2.79	2.78	2.73	2.50	2.21	2.04	2.15	2.20
1986	2.21	2.25	2.30	2.36	2.38	2.37	1.96	1.59	1.35	1.29	1.38	1.43
1987	**1.46**	**1.47**	**1.49**	**1.53**	**1.67**	**1.69**	**1.61**	**1.42**	**1.43**	**1.47**	**1.56**	**1.65**
					Soybeans							
					-dollars per bushel-							
1983	5.53	5.68	5.76	6.01	6.06	5.98	6.31	7.52	8.51	8.16	7.85	7.69
1984	7.75	7.17	7.64	7.79	8.18	8.06	6.95	6.48	5.96	5.94	6.02	5.79
1985	5.92	5.76	5.87	5.88	5.72	5.68	5.48	5.07	4.94	4.79	4.82	4.83
1986	4.99	5.10	5.19	5.10	5.26	5.16	5.09	4.94	4.75	4.46	4.48	4.48
1987	**4.41**	**4.57**	**4.66**	**4.79**	**5.20**	**5.32**	**5.23**	**5.02**	**4.94**	**4.95**	**5.16**	**5.65**
					Winter Wheat							
					-dollars per bushel-							
1983	3.14	3.23	3.21	3.27	3.17	3.23	3.17	3.45	3.43	3.32	3.27	3.33
1984	3.35	3.35	3.37	3.54	3.38	3.23	3.09	3.31	3.29	3.28	3.42	3.40
1985	3.30	3.39	3.36	3.45	3.20	2.92	2.87	2.71	2.69	2.65	2.94	3.16
1986	3.11	3.08	3.19	3.35	3.20	2.34	2.22	2.32	2.24	2.54	2.59	2.49
1987	**2.77**	**2.78**	**2.80**	**2.74**	**2.61**	**2.46**	**2.32**	**2.47**	**2.45**	**2.63**	**2.66**	**2.76**
					All Hay							
					-dollars per ton-							
1983	60.00	60.00	60.00	57.00	57.00	57.00	57.00	59.00	62.00	63.00	65.00	66.00
1984	72.00	74.00	76.00	76.00	72.00	69.00	66.00	69.00	69.00	69.00	70.00	71.00
1985	72.00	70.00	68.00	67.00	65.00	62.00	62.00	61.00	60.00	60.00	59.00	59.00
1986	60.00	60.00	59.00	58.00	56.00	55.00	52.00	55.00	55.00	54.00	54.00	55.00
1987	**56.00**	**55.00**	**55.00**	**55.00**	**55.00**	**55.00**	**55.00**	**57.00**	**57.00**	**58.00**	**59.00**	**60.00**
					Sorghum							
					-dollars per cwt-							
1983	4.16	4.36	4.69	5.10	5.10	5.30	5.39	5.87	5.32	5.23	5.35	5.25
1984	5.28	5.16	5.27	5.53	5.43	5.65	5.40	4.86	4.14	3.91	3.91	4.03
1985	4.38	4.26	4.44	4.67	4.64	4.68	4.62	3.97	3.11	3.22	3.16	3.22
1986	3.28	3.72	3.79	3.73	4.32	3.86	3.32	2.44	2.25	1.98	2.01	1.97
1987	**2.06**	**2.45**	**2.71**	**2.38**	**2.33**	**2.58**	**2.27**	**2.32**	**2.38**	**2.38**	**2.50**	**2.82**

PRICES PAID: Average Prices Paid by Farmers for Selected Items, Specified Dates-1987, Corn Belt Region 1/

Item	January	April	July	October
		-dollars-		
L.P. Gas, Bulk Del., per gallon	.590	.580	.510	.540
Diesel Fuel, Bulk Del., per gallon	.690	.720	.750	.770
Gasoline, Service Sta., unleaded per gallon	.850	.910	.950	.960
Gasoline, Bulk Del., leaded per gallon	.870	.920	.970	.960
Bran, per cwt	8.00	7.90	7.70	7.90
Middlings, per cwt	7.20	7.30	7.20	7.40
Cottonseed Meal, 41%, per cwt	13.30	13.30	13.70	13.60
Soybean Meal, 44%, per cwt	10.40	10.50	11.70	11.90
Corn Meal, per cwt	4.65	4.95	5.10	4.60
Hog Feed, 14-18%, per cwt	8.50	8.20	8.60	8.80
Hog Concentrate, 38-42%, per cwt	13.30	13.10	14.50	14.45
Beef Cattle Concentrate, 32-36%, per cwt	12.10	11.60	12.30	12.75
Dairy Feed, 14% protein, per ton	146.00	139.00	154.00	143.00
Dairy Feed, 16%, per ton	157.00	151.00	154.00	160.00
Dairy Concentrate, 32%, per ton	255.00	255.00	272.00	273.00
Chick Starter, per ton	205.00	198.00	198.00	206.00
Laying Feed, per ton	176.00	166.00	176.00	180.00
Broiler Grower, per ton	196.00	186.00	188.00	186.00
Turkey Grower, per ton	205.00	187.00	206.00	208.00
Molasses	10.00	9.50	9.60	9.30
Stock salt	6.50	6.40	6.80	6.40

1/ IL, IN, IA, MO, and OH

FEEDER PIG PRICES PAID: Quarterly, Missouri, 1983-87

Year	February	May	August	November
		-dollars per cwt-		
1983	96.00	76.00	50.00	48.00
1984	75.00	85.00	71.00	68.00
1985	71.00	79.00	64.00	68.00
1986	68.00	75.00	105.00	100.00
1987	**100.00**	**96.00**	**94.00**	**79.00**

PRICES RECEIVED FOR MILK COWS, MISSOURI, 1983-87 1/

Year	January	April	July	October
		-dollars/head-		
1983	1,010	1,000	1,000	850
1984	770	810	810	800
1985	790	790	770	750
1986	750	770	760	810
1987	**810**	**840**	**900**	**950**

1/ Milk cows sold for dairy herd replacement only.

MARKETING OF MAJOR CROPS: Estimated Percent of Farm Sales, Monthly, Missouri, 1982-83 thru 1986-87

Marketing Year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
					-Corn-							
1982-83	10	13	9	6	9	6	12	8	7	7	5	8
1983-84	11	15	11	10	13	9	7	5	5	5	6	3
1984-85	13	16	16	7	8	6	8	6	5	5	5	5
1985-86	10	20	15	15	12	3	3	4	5	3	4	6
1986-87	**12**	**12**	**11**	**13**	**9**	**7**	**8**	**6**	**4**	**5**	**6**	**7**
					-Soybeans-							
1982-83	3	17	15	10	15	7	8	6	4	3	6	6
1983-84	7	24	11	8	13	6	9	6	9	3	2	2
1984-85	3	7	30	11	9	6	9	7	4	5	4	5
1985-86	3	11	14	19	20	6	8	5	4	4	3	3
1986-87	**4**	**10**	**17**	**13**	**19**	**9**	**8**	**7**	**4**	**3**	**3**	**3**
					-Sorghum-							
1982-83	51	20	11	5	5	2	2	1	1	1	1	0
1983-84	25	19	18	6	8	4	9	3	2	2	2	2
1984-85	24	24	19	8	10	3	2	2	3	2	1	2
1985-86	8	24	18	15	10	5	6	3	7	1	1	2
1986-87	**15**	**13**	**14**	**8**	**6**	**8**	**8**	**3**	**3**	**3**	**5**	**14**

Marketing Year	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
					-Wheat-							
1982-83	28	41	16	4	1	1	1	3	2	1	1	1
1983-84	4	33	48	3	1	2	2	1	1	2	2	1
1984-85	10	51	18	6	3	2	2	2	1	1	2	2
1985-86	25	57	5	4	1	2	1	2	1	1	1	-
1986-87	**59**	**16**	**5**	**3**	**2**	**1**	**3**	**4**	**1**	**3**	**2**	**1**

Marketing Year	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
					-All Hay-							
1982-83	4	9	12	10	6	6	9	7	11	13	8	5
1983-84	3	16	9	2	4	2	3	6	15	13	19	8
1984-85	3	13	16	5	4	2	6	6	15	12	12	6
1985-86	4	22	8	7	6	3	3	13	9	13	10	2
1986-87	**3**	**21**	**6**	**6**	**6**	**3**	**3**	**13**	**9**	**14**	**13**	**3**

COST OF PRODUCING CROPS
MAJOR U.S. CROPS, 1987

	Soybeans	Corn	Sorghum	Wheat	Rice	Cotton 1/
			dollars/planted acre			
Total cash receipts (excluding direct government payments)	171.69	186.95	110.56	93.14	192.26	265.64
Total cash expenses	102.90	186.44	90.97	74.60	313.33	258.52
Receipts less cash expenses 2/	68.78	0.51	19.58	18.54	-121.07	7.12

1/ 1986 figures.
2/ Total may not agree due to rounding.

COST OF PRODUCING LIVESTOCK (DOLLARS/CWT)
MAJOR U.S. LIVESTOCK ENTERPRISES, 1987

	Cow-calf 1/	Fed Beef	Sheep 2/	Feeder Pig Producer	Farrow to Finish Hogs	Dairy
Total cash receipts	294.03	63.39	79.37	96.19	51.02	13.47
Total cash expenses	232.53	61.31	36.61	61.62	34.40	9.36
Receipts less cash expenses	61.50	2.08	42.76	34.57	16.62	4.12

1/ Dollars/cow
2/ Dollars/ewe
SOURCE: USDA, ERS

Missouri Agricultural Exports: Ranking By Commodity Group
Fiscal Year 1987

Commodity Group	United States	Missouri	Ranking
	-million dollars-		
Total	27,873.8	897.6	11th
Soybeans and products	5,747.0	508.4	3rd
Rice	550.5	16.5	6th
Feed grains and products	4,661.7	190.1	9th
Dairy products	489.9	13.3	9th
Cottonseed and products	56.1	1.1	10th
Cotton and linters	1,429.4	28.8	11th
Tobacco	1,203.9	3.3	14th
Poultry and products	594.3	10.3	17th
Hides and skins	1,665.6	17.8	17th
Animal fats	416.8	5.0	17th
Wheat and products	3,119.4	27.2	19th
Live animals and meat	1,630.2	23.3	19th

EXPORT VALUES OF AGRICULTURAL COMMODITIES: Missouri, 1983-87 1/

Commodity	1983	1984	1985	1986	1987
			-million dollars-		
Wheat and wheat products	197.5	172.1	136.9	84.8	**27.2**
Rice	24.5	28.0	18.8	19.4	**16.5**
Feed grains and feed grain products	227.5	232.0	254.6	192.1	**190.1**
Soybeans and soybean products	607.1	475.3	307.5	479.7	**508.4**
Cotton and linters	29.0	22.6	28.3	10.5	**28.8**
Cottonseed and cottonseed products	2.2	1.1	2.1	1.7	**1.1**
Tobacco	2.3	3.7	3.0	3.1	**3.3**
Dairy products	10.7	11.8	11.8	11.7	**13.3**
Poultry and products	7.8	9.0	8.2	9.1	**10.3**
Live animals and meat, excluding poultry	28.6	26.1	19.9	18.7	**23.3**
Fats, oils and greases	12.9	14.7	8.3	5.2	**5.0**
Hides and skins	18.4	24.7	16.1	14.4	**17.8**
Other (Miscellaneous)	44.2	37.6	37.6	46.6	**52.5**
Total Agricultural Exports	1,212.7	1,058.7	853.1	897.0	**897.6**

1/ Fiscal year, October-September

MISSOURI: Agricultural Landholdings of Foreign Owners, December 31, 1987

County	Parcels	Acres	Reported Value 1/	County	Parcels	Acres	Reported Value 1/
	(number)	(number)	(1,000 dollars)		(number)	(number)	(1,000 dollars)
Adair	1	1,160	209	Howell	1	1,090	818
Andrew	1	140	167	Jackson	5	771	8,286
Atchison	4	1,006	1,086	Jasper	1	155	150
Audrain	4	787	1,200	Laclede	1	152	220
Barry	1	199	130	Lafayette	1	800	1,595
Bates	1	1,779	1,890	Lawrence	11	1,244	1,154
Buchagan	3	860	868	McDonald	4	2,497	1,167
Butler	1	7	4	Macon	3	3,758	731
Carroll	1	116	110	Mississippi	8	3,058	1,669
Carter	1	198	100	Montgomery	1	160	122
Cass	1	840	860	New Madrid	3	1,160	1,520
Clay	3	1,029	1,588	Newton	1	180	130
Clinton	2	3,138	4,343	Osage	1	200	375
Cooper	2	1,280	1,390	Pike	3	3,606	1,790
Crawford	1	1,311	82	Platte	3	421	546
Dallas	1	30	7	Pulaski	3	455	234
Daviess	2	1,642	2,022	Putnam	1	880	1,034
Dent	1	77	13	Ralls	3	614	69
Franklin	1	1,188	512	Ray	1	385	768
Gasconade	1	21	1	St. Louis	4	155	839
Gentry	2	512	265	Stoddard	6	5,181	7,077
Greene	2	120	120	Sullivan	1	1,950	520
Grundy	4	2,311	4,052	Taney	7	6,451	1,318
Harrison	5	2,681	964	Warren	1	63	320
Holt	2	525	81				
Howard	5	1,580	2,259	**Total**	**127**	**59,923**	**56,775**

1/ Reported value is purchase price or nonpurchase price (estimated value) at time of acquisition.
SOURCE: United States Department of Agriculture; Economic Research Service, Resources and Technology Division.

FARMS: Number of Farms, Land in Farms and Average Size of Farm, Missouri and United States, June 1, 1983-87

Year	Missouri			United States		
	Number of Farms	Land in Farms	Avg. Size of Farm	Number of Farms	Land in Farms	Avg. Size of Farm
	-thous-	-thous ac-	-acres-	-thous-	-thous ac-	-acres-
1983	118	31,200	264	2,370	1,024,195	432
1984	117	31,000	265	2,328	1,019,378	438
1985	115	30,800	268	2,275	1,014,383	446
1986	115	30,700	267	2,212	1,007,643	456
1987	**114**	**30,600**	**268**	**2,173**	**1,002,463**	**461**

FARM INCOME: Total, Gross, and Net Income from Farming, Missouri, 1982-86 1/

Item	1982	1983	1984	1985	1986
			-million dollars-		
Cash receipts and other farm income	3,925.8	3,923.2	3,851.4	3,858.2	3,674.8
Government payments to farmers	79.8	241.2	224.6	187.7	275.9
Non-money income	591.4	532.1	523.1	411.8	376.7
Total gross farm income	**4,597.0**	**4,696.5**	**4,599.1**	**4,457.7**	**4,327.4**
Farm production expenses	4,159.7	4,225.8	4,161.7	3,917.7	3,497.6
Realized net farm income	**437.3**	**470.7**	**437.4**	**540.0**	**829.8**
Net change in farm inventories	-21.9	-518.3	34.7	224.7	-131.9
Total net farm income	**415.4**	**-47.6**	**472.1**	**764.7**	**697.9**

1/ Revised data for 1982-85, preliminary for 1986.

BALANCE SHEET OF MISSOURI'S FARMING SECTOR: DECEMBER 31, 1982-86 1/

Item	1982	1983	1984	1985	1986
	-million dollars-				
Physical Assets:					
Real estate	26,707	26,707	20,429	18,665	16,947
Non-real estate:					
Livestock and poultry	2,307	2,071	2,052	1,897	2,068
Machinery and motor vehicles	3,930	3,918	3,816	3,529	3,259
Crops stored on and off farms	842	745	889	958	860
Household equipment and furnishings	905	960	895	972	1,044
Financial Assets:					
Deposits and currency	739	783	856	937	1,118
U.S. savings bonds	224	232	239	264	308
Investments in cooperatives	802	865	923	940	949
Total Assets	**36,456**	**36,281**	**30,099**	**28,162**	**26,553**
Liabilities:					
Real estate debt	3,925	4,008	3,959	3,725	3,343
Non-real estate debt:					
Excluding CCC loans	2,538	2,798	2,853	2,143	1,752
Commodity Credit Corporation loans	349	152	117	420	445
Total Liabilities	**6,812**	**6,958**	**6,929**	**6,288**	**5,540**
Proprietors' equities	29,645	29,323	23,170	21,874	21,013
Total Liabilities & Equity	**36,457**	**36,281**	**30,099**	**28,162**	**26,553**
Debt-to-asset ratio (percent)	18.7	19.2	23.0	22.3	20.9

1/ Revised data for 1982-85; preliminary data for 1986.

FARM PRODUCTION EXPENSES: Total Farm Production Expenses, Missouri, 1982-86 1/

Item	1982	1983	1984	1985	1986
	-million dollars-				
Intermediate product expenses	2,023.2	2,187.8	2,075.4	1,939.7	1,732.6
Farm origin	733.8	859.7	753.1	680.5	604.7
Feed	593.6	724.1	604.2	532.5	467.6
Livestock	42.5	43.4	42.6	44.8	45.1
Seed	97.8	92.2	106.3	103.3	92.0
Manufactured inputs	709.6	690.1	693.3	661.4	553.3
Fertilizer and lime	274.2	268.9	264.8	250.1	216.2
Pesticides	130.1	126.2	144.9	146.4	131.6
Fuel and oil	258.6	246.0	234.2	215.8	157.0
Electricity	46.6	49.0	49.5	49.1	48.5
Other	579.8	638.0	629.0	597.7	574.6
Repair and maintenance	259.8	262.8	261.9	257.4	265.1
Other miscellaneous	320.0	375.2	367.1	340.4	309.4
Interest	745.4	719.4	709.0	604.7	546.1
Real estate	375.0	380.9	376.3	331.8	306.7
Non-real estate	370.4	338.5	332.7	272.9	239.4
Contract and hired labor expenses	159.3	153.5	152.7	154.2	155.5
Cash labor expenses	146.6	141.1	139.7	141.6	145.0
Perquisites	12.7	12.4	13.1	12.6	10.5
Net rent to nonfarm landlords	203.8	155.2	260.5	324.4	236.9
Capital consumption	925.6	893.0	858.0	792.7	727.9
Property taxes	102.4	116.9	105.9	101.9	98.6
Total production expenses	**4,159.7**	**4,225.8**	**4,161.7**	**3,917.7**	**3,497.6**

1/ Revised data for 1982-85, preliminary for 1986.

FARMLAND VALUES
Missouri, 1982-88

	As of April 1				As of February 1		
	1982	1983	1984	1985	1986	1987	1988
	-dollars-						
Average Value per Acre of Land and Buildings	945	856	856	659	606	552	**572**
	-million dollars-						
Total Value of Land and Buildings	29,484	26,707	26,536	20,297	18,613	16,882	**17,503**

CASH RENTS
Missouri, 1985-88

	Rent per Acre				Ratio of Rent to Value			
	1985	1986	1987	1988	1985	1986	1987	1988
	-dollars-				-percent-			
Average Gross Cash Rent per Acre (total farm)	46.60	42.10	38.60	**44.70**	8.0	8.2	7.4	**8.3**
Average Gross Cash Rent per Acre (cropland only)	56.50	54.40	48.30	**54.70**	8.5	9.0	9.1	**9.1**
Average Gross Cash Rent per Acre (pasture only)	18.90	22.00	19.40	**22.70**	4.9	6.2	5.4	**6.0**

FARM REAL ESTATE DEBT: Amount Outstanding by Lender, Missouri, December 31, 1982-86 1/

Lender	1982	1983	1984	1985	1986
	-million dollars-				
Federal Land Banks	1,267	1,282	1,285	1,183	978
Farmers Home Administration	413	439	467	479	467
Life Insurance Companies	476	459	424	365	300
All Operating Banks	559	616	669	694	716
Individuals and others	1,210	1,212	1,115	1,005	883
Total Farm Real Estate Debt 2/	**3,925**	**4,008**	**3,959**	**3,725**	**3,343**

1/ Revised data for 1982-1986.
2/ May not add due to rounding.

MISSOURI FARM BANKRUPTCIES

	7's	11's	12'S	13'S	Total
1987	272	20	242	9	543
1986	398	110	10	19	537
1985	338	136	---	14	488
1984	278	170	---	16	464
1983	199	110	---	11	320
1982	184	46	---	17	247
1981	96	11	---	8	115
Totals	1,765	603	252	94	2,714

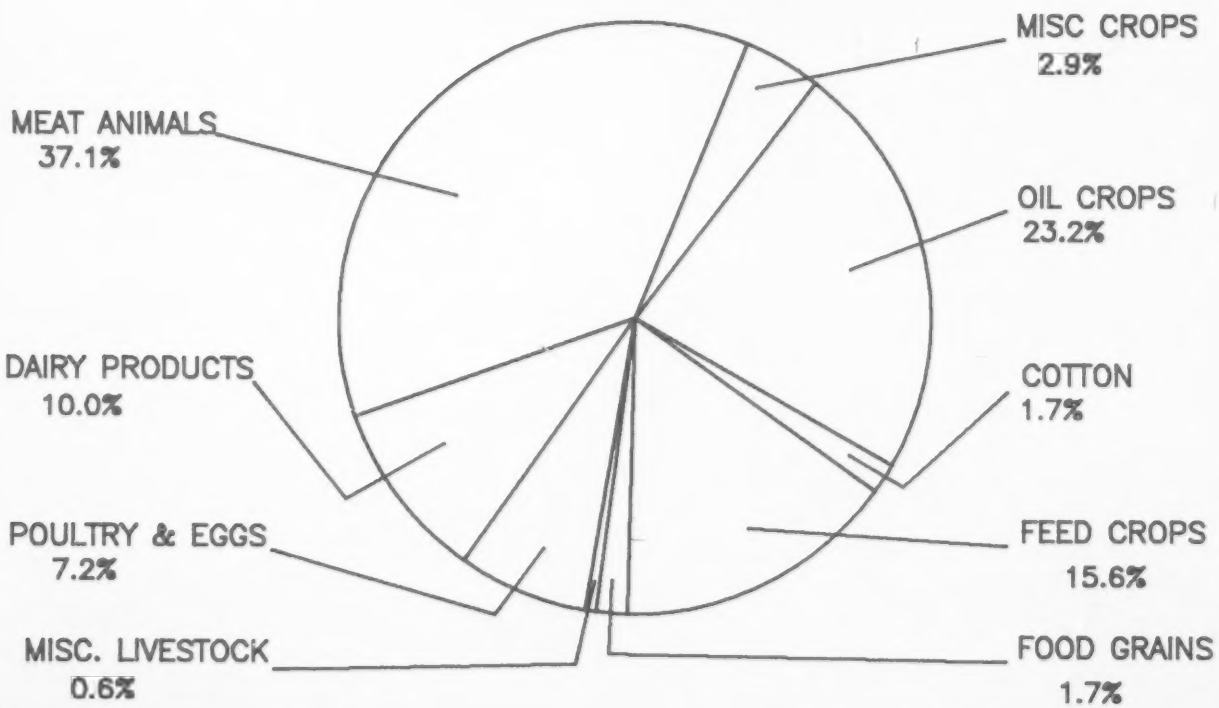
SOURCE: UNIVERSITY OF MISSOURI

CASH RECEIPTS: Farm Receipts from Sales of Specified Crops and Livestock, Missouri, 1983-87 1/

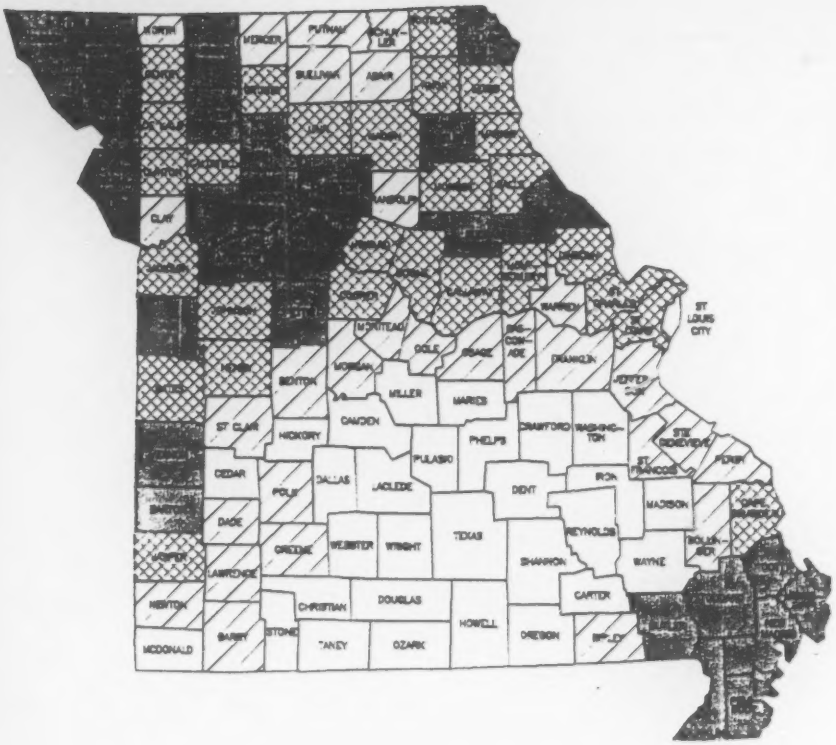
Commodity	1983	1984	1985	1986	1987
			-thousand dollars-		
Livestock & Products	2,262,784	2,159,411	1,924,447	1,929,723	**2,074,298**
Meat Animals	1,629,538	1,550,065	1,330,779	1,303,304	
Dairy Products	406,315	353,760	351,625	352,641	
Poultry & Eggs	203,342	235,995	220,953	253,209	2/
Miscellaneous Livestock	23,589	19,591	21,090	20,569	
Crops	1,537,936	1,545,817	1,763,355	1,586,350	**1,475,909**
Food Grains	246,331	262,114	174,869	61,069	
Feed Crops	314,429	406,766	674,906	549,913	
Cotton	25,023	42,142	58,036	59,318	2/
Tobacco	8,123	10,389	10,705	8,803	
Oil Crops	860,180	742,763	753,569	815,253	
Vegetables	9,980	7,476	6,683	6,751	
Fruit/Nuts	11,349	11,367	12,244	13,111	
All Other Crops	62,521	62,800	72,343	72,132	
Total	**3,800,720**	**3,705,228**	**3,687,802**	**3,516,073**	**3,550,207**

1/ Revised data for 1983-86; preliminary data for 1987.
2/ Individual commodities breakdown will not be available until July 1988.

Cash Receipts – 1986 Commodity Breakdown



SOURCE : USDA, ERS

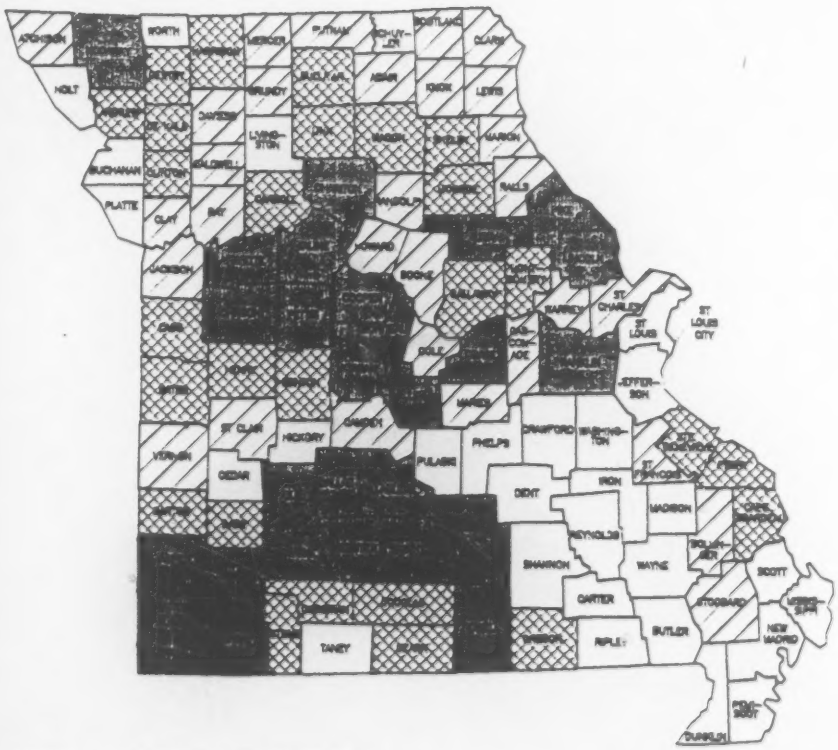


CASH RECEIPTS, CROPS
By Counties, 1986
Top Ten Counties

Stoddard	$61,429,000
New Madrid	$57,960,000
Dunklin	$53,810,000
Atchison	$46,956,000
Nodaway	$44,900,000
Mississippi	$44,118,000
Saline	$42,114,000
Pemiscot	$40,201,000
Audrain	$39,369,000
Holt	$36,907,000

These top 10 counties represent 29.5% of the State's total cash receipts for crops.

$20,000,000 and Above
$12,000,000–$19,999,999
$2,000,000–$11,999,999
Under $2,000,000



CASH RECEIPTS, LIVESTOCK
By Counties, 1986
Top Ten Counties

McDonald	$65,611,000
Lawrence	$52,631,000
Newton	$49,625,000
Barry	$45,081,000
Osage	$43,194,000
Wright	$42,484,000
Howell	$41,277,000
Lafayette	$41,212,000
Nodaway	$40,290,000
Webster	$39,487,000

These top 10 counties represent 21.2% of the State's total cash receipts for livestock.

$28,000,000 and Above
$17,000,000 – $25,999,999
$10,000,000 – $16,999,999
Under $10,000,000

SOURCE: DEPARTMENT OF COMMERCE
BUREAU OF ECONOMIC ANALYSIS

REQUEST FORM FOR REPORTS

To receive any of the reports listed below, please check the boxes and return this form to the Missouri Agricultural Statistics Office, P.O. Box L, Columbia, Missouri 65205.

☐ 1988 ANNUAL CROP SUMMARY - A summary of the final crop acreage and production for the the 1988 crop season. To be released in February 1989.

☐ MISSOURI FARM FACTS - An annual summary of crop and livestock statistics for Missouri, including county estimates for livestock and major crops. Published in June.

☐ COUNTY AGRI-FACTS for _____(your county). A four-page summary that includes a short history of your county, crop and livestock production, population, fertilizer use, farm expenses, etc. Some data series begin as early as 1850. Reissued in Spring of 1988.

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

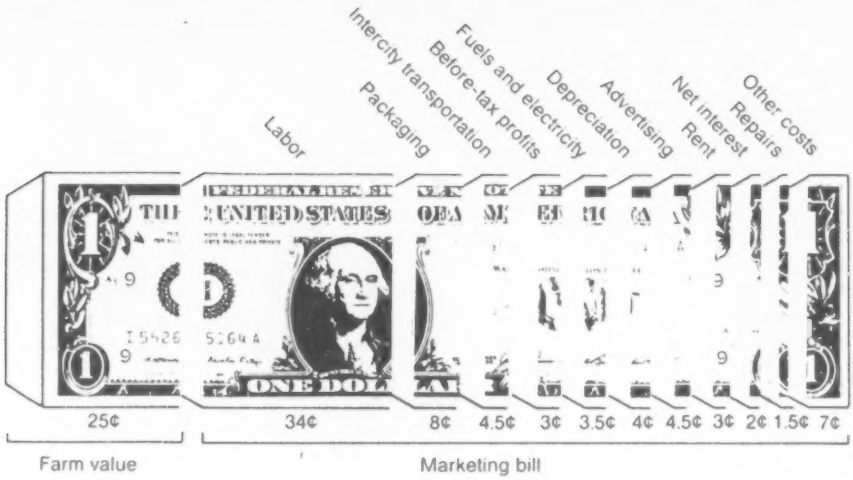
To help us in classifying our subscribers, please check one of the following that best describes your occupation:

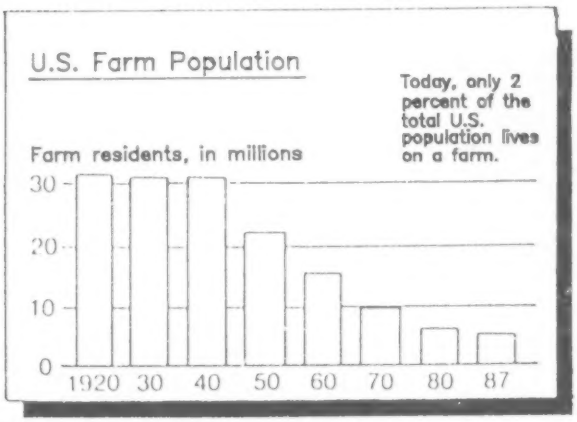
☐ Farm Operator ☐ Landlord only ☐ Agri-business ☐ Education ☐ Other

_____
(specify)

If you are interested in receiving a subscription form for the weekly CROP AND WEATHER REPORT or the twice monthly CROP AND LIVESTOCK REPORTER.....PLEASE CHECK HERE: ☐

What a Dollar Spent on Food Paid For in 1987





SOURCE: DEPT. OF COMMERCE, CENSUS BUREAU